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ABSTRACT

In an effort to assist Wisconsin school district administrators in planning physical construction programs, the manual presents information on the following items: planning a vocational education facility, a check list for facility planning, suggested guideline standards for facilities (room size specifications, sites, access areas, etc.), guideline for selecting an architect and architect's questionnaire, Federal labor standards, checklists forapplicants, State board, and contractor, sample legal documents including contracts, letters of application for funding, map of location of projects, construction cost analysis, and construction project analysis including pictures and floor plans. (AG)

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Guidelines for Realistic Facility Planning for Schools of Vocational, Technical and Adult Education

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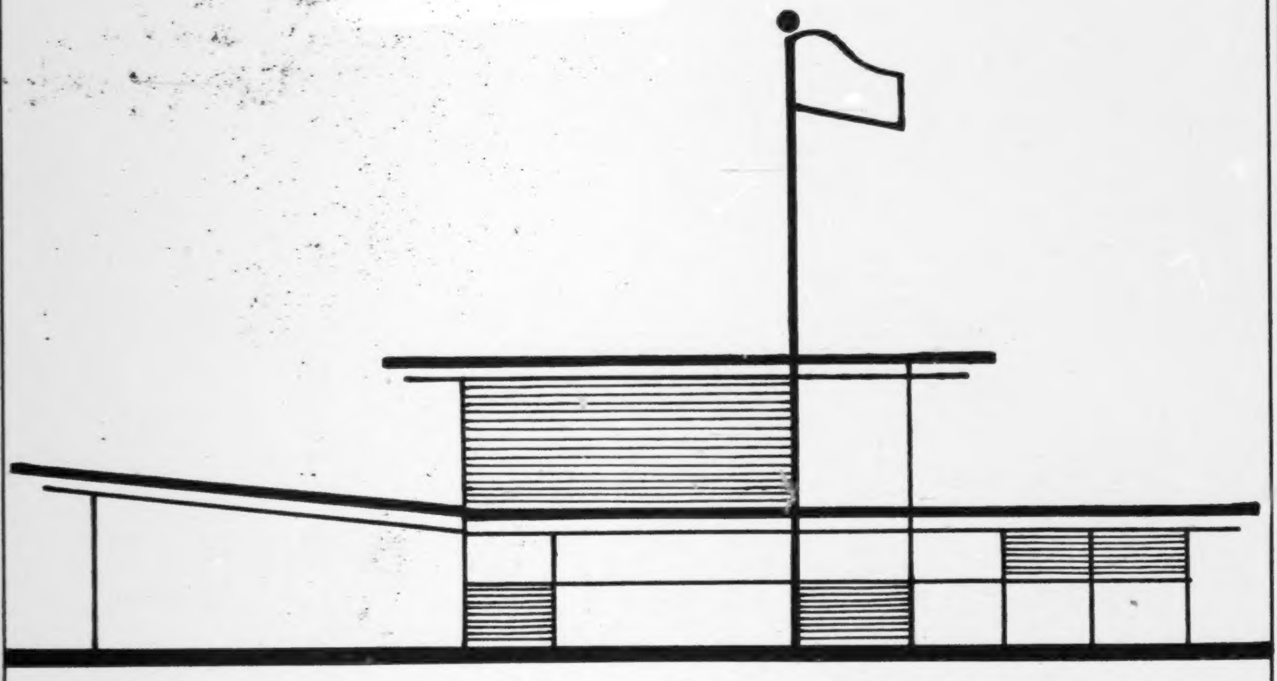

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Wisconsin Board of Vocational, Technical and Adult Education

Madison, Wisconsin

E. I. Lehrmann, Director

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GUIDELINES FOR REALISTIC
FACILITY PLANNING FOR
SCHOOLS OF VOCATIONAL,
TECHNICAL AND
ADULT EDUCATION

VTAE

May 1, 1973

Harold J. Schantz
Vocational Education Consultant
Facilities

PREFACE

This Manual for planning Vocational, Technical and Adult Education facilities in the State of Wisconsin was developed to assist district school administrators in their physical construction programs. Exhibits in the manual include contributions by other state and federal agencies, text excerpts related to school construction, and directives from the Wisconsin Board of Vocational, Technical and Adult Education.

Subject areas considered are facility planning as related to the vocational education mission, plant construction with its guideline standards and legalistic implications, checklists for the administrative personnel involved in a building program, and suggested or sample instruments that aid in assessing activities of individuals involved in the actual construction process.

The outlined procedures are primarily suggested to assist the Wisconsin VTAE districts in their building programs and do not take precedence over locally developed plans within statute limitations. Modified plans are encouraged, especially when they best meet local needs.

Acknowledgment for this publication is directed to State Director Eugene I. Lehrmann, under whose auspices the guidelines were developed, updated and refined. Acknowledgments must also go to state staff, district directors, district staff and all of the cooperating architectural firms that have worked on the several projects throughout the state of Wisconsin. Without the help of these individuals this manual could not have been developed to become a valuable guide in the planning of our facilities.

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INTRODUCTORY PHILOSOPHY TO FACILITY PLANNING AND THE USE OF THE GUIDELINE MANUAL

Much information has been developed relating to realistic facility planning for vocational, technical and adult education schools and the basic philosophy for our development can best be described in the following paragraphs.

Facility development for our schools is related basically to three important categories:

1. Student needs,
2. Program needs, and
3. Needs of business and industry.

Realistic facility development for our schools must be related toward terminal education in order to enable students to obtain a job and take their place in the work-a-day world. The first item for considering development must be to satisfy student needs in relationship to students' background and job entry requirements. Facilities are used to house the programs that satisfy students' needs as they need to take the various courses that make up the several programs. With sound development to satisfy student needs and the needs of the several programs, graduates from our one-year programs, two-year programs or associate degree programs will also satisfy the needs of business and industry, first within the district, second within the state and third within the nation.

As facilities are developed through the development of a comprehensive long-range facility plan and educational specifications, district staff will have an opportunity of indicating their desires to satisfy the accomplishment of their academic mission. The requirements requested by staff and program personnel within the district will then be formulated into education specifications that will be used by the professional architect to develop suitable facilities at a reasonable cost to the taxpayer.

It will be required of the architect to work diligently with the director, the board and the staff to develop facilities in such a manner that a learning environment will be obtained from a development that relates to building coverage on a site, green areas on a site and adequate student, visitor and faculty parking on a site. All areas related to the several programs within total facility development must be arranged in such a way that social development of the students will be a very important factor in their preparation for employment and living in our complex society. Later pages of this manual set forth in graphic form how several districts with sound planning have attempted to answer the broad questions here mentioned.

This manual is constructed in such a way that charts, diagrams and other material can be easily reproduced for further study and help as instructors work forward in further developing the spaces needed or areas needed for their particular course for total program development. The manual is a basic working document keyed against sound planning procedures and requirements for State Board approval and also federal approval for federal money grants. It is hoped that as committees and individual faculty members work forward that they will contact the state office and examine the many documents that have been developed throughout our state and also on a national level.

DETAIL OUTLINE PROCEDURES FOR PLANNING FACILITIES

I. PLANNING FOR VOCATIONAL, TECHNICAL AND ADULT EDUCATION

In order to plan for a realistic program for Vocational, Technical and Adult Education for Wisconsin Area Schools we must first establish our objectives. These objectives will be met through the curriculum made up of programs and courses. Our name indicates a system of education for vocational students, technical students and adult students and, therefore, our objectives must include all three.

The Congress of the United States in 1963 enacted into law the Vocational Education Act of 1963 Public Law 88-210. Part A - Vocational Education Declaration of Purpose states:

SECTION I "It is the purpose of this part to authorize Federal grants to States to assist them to maintain, extend and improve existing programs of vocational education, to develop new programs of vocational education and to provide part-time employment for youths who need the earnings from such employment to continue their vocational training on a full-time basis, so that persons of all ages in all communities of the State -- those in high school, those who have completed or discontinued their formal education and are preparing to enter the labor market, those who have already entered the labor market but need to upgrade their skills or learn new ones, and those with special educational handicaps -- will have ready access to vocational training or retraining which is of high quality, which is realistic in the light of actual or anticipated opportunities for gainful employment, and which is suited to their needs, interests, and ability to benefit from such training."

The Congress recognized that a massive country-wide movement must be initiated to provide these programs and consequently, for the first time Federal funds have been authorized for construction of area vocational, technical and adult schools facilities. These funds will be made available to local schools on a matching basis in light of guidelines to be established.

The following outline may serve as a guide in planning a realistic area vocational education program.

A. Establish objectives for Vocational, Technical and Adult Education for local area.

   1. Local Director and Local School Committee
   2. Local Director and Local Board Committee
   3. Local Director and Area Advisory Committee made up of top Management and Labor leaders in school area.
   4. Conferences with staff of State Office

B. Planning Curriculum, Programs and Courses in light of the above extablished objectives.

   1. Committees that could be used for development and planning

      a. Local Director and Local School Staff Committee
      b. Local Director and Local Board Committee

- c. Local Director and Area Advisory Committee
  This committee should be made up of the strongest leaders from both Management and Labor.
- d. The Wisconsin State Employment Service
- e. Local Director and Committee from City Council
- f. Local Chamber of Commerce
- g. Help of specialists from State Office
- h. Obtain State Board program approval

2. Areas of study by the committees

   - a. Historical Review of Local School (Narrative of local school history i.e. to include facility, curriculum, programs and courses. Growth or decline)
   - b. Survey and Evaluation of present facility if this construction is to be an addition or a remodeling project.

     - (1) Age and condition of present structure
     - (2) Number and condition of previous additions
     - (3) Age and condition of all mechanical equipment, heating, plumbing, ventilating and electrical
     - (4) Comparative analysis using Suggested Guideline Standards for Facilities

C. Survey on Ability to Finance and Maintain

1. Local Tax Base ($)
2. Area population base
3. Area financial ability to operate school

D. Survey for Suitable Site

1. Central city location v.s. outlying location
2. Study and survey on expanding present site (Cost consideration and guidelines)
3. New site campus type

   - a. Cost per acre
   - b. Utilities: sewer, water, and electricity
   - c. Public transportation
   - d. School parking
   - e. Local zoning patterns
   - f. Subsoil condition determination

E. Suggested Studies to be Made by Committees

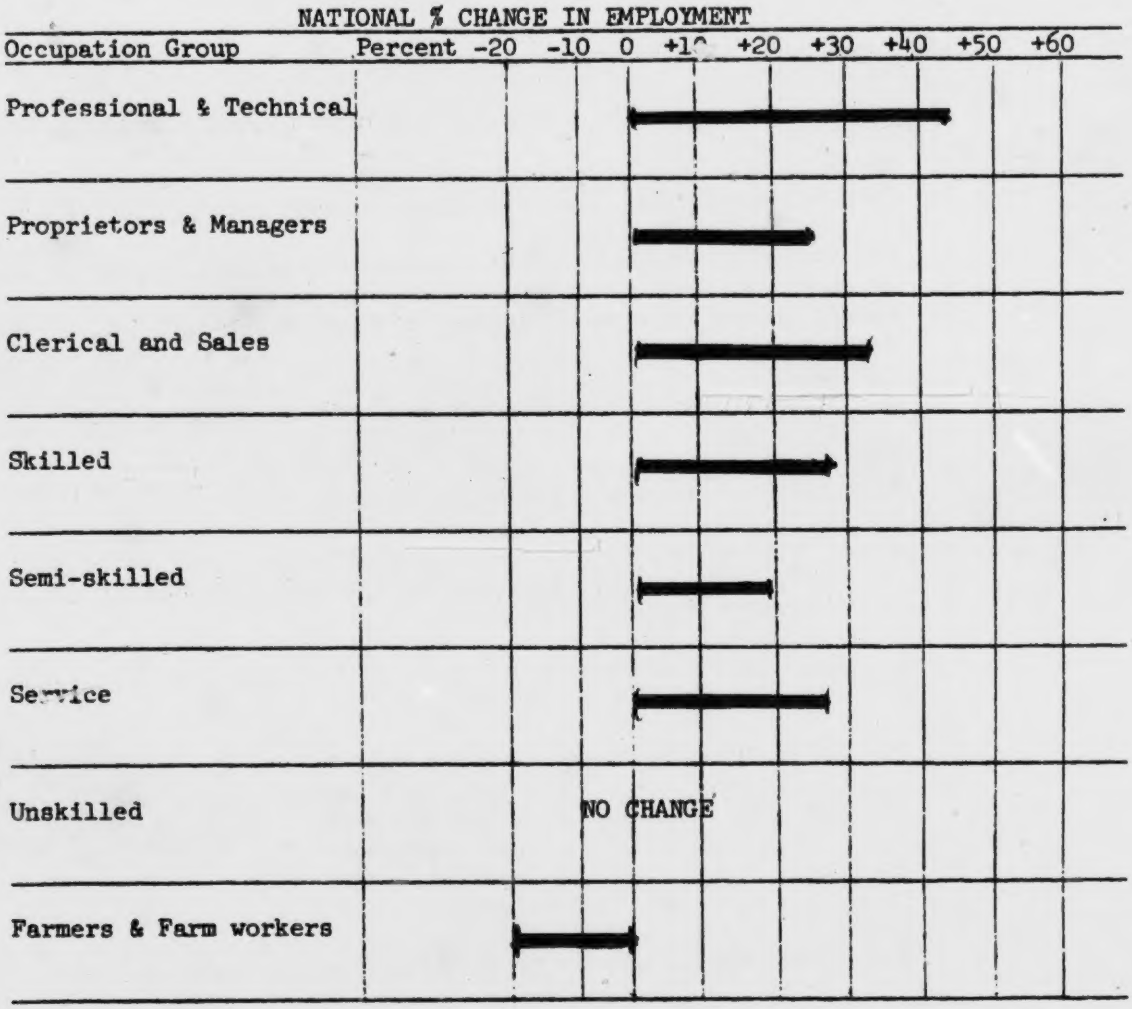
1. Area population statistics 1945 to present and projected to 1980 (growth or decline) use graph or chart if possible.
2. Elementary and secondary school statistics 1945 to present and projected to 1980 (growth or decline) use graph or chart, if possible.
3. Line graph showing area population and local school growth or decline from 1945 to present and projected to 1975.
4. Chart on total school enrollment from start to present and projected to 1980.

5. Chart on post high school enrollments 1960 to present and projected to 1980.
6. Present student educational attainment i.e. 8th grade level, 12th grade level, over 12th grade level and college level.
7. Follow up study of local school graduates.

   a. Number of student graduates__________
   b. Number of 1 year diploma graduates_________
   c. Number of 2 year diploma graduates_________
   d. Number of associate degree graduates________
   e. Average weekly salary associate degree graduates_______
   f. Average weekly salary of all graduates___________
   g. Average weekly salary 1 year diploma graduates________
   h. Average weekly salary 2 year diploma graduates_______
   i. Graduates employed in field of training_____%
   j. Placed in employment local area_______%
   k. Placed in employment outside local area_____%

8. For reference only

NATIONAL % CHANGE IN EMPLOYMENT



F. Survey on Expenditures:
Line graph showing total local school expenditures for school budget from 1950 to present in five year intervals and projected to 1985 from the following sources.

1. Local taxes
2. State aids
3. Federal aids
4. Other income

G. Survey on Placement of Graduates

1. Local School Placement Record
2. Wisconsin State Employment Service
    (a) Employment needs and trends local, State and National.
    (b) Employment placement of local school students, local, State and other.

II. PLANNING A FACILITY

A. All committees submit studies and summary reports, to local director.

B. Local director and school committees prepare report for local board.

1. Evaluate and analyze studies and reports.
2. Develop educational specifications to meet established objectives in light of study results.
3. Recommend site selection and acquisition to local board in light of committee reports and guideline standard.
4. Submit report on size of school to local board in light of committee reports

    a. Formula for determining total no. of classrooms needed.

$$\frac{\text{Total school enrollment}}{\text{Average size class X utilization factor}} = \text{No. of classrooms needed}$$

i.e. Utilization factor to be determined by local school 80%, 75%, 60% a suggestion may be 75% this would allow for increased enrollments.

    b. Formula for determining number of teaching stations required for each subject or course.

$$\frac{\text{No. to be enrolled in course} \ \text{X} \ \text{Hours per week class is to meet}}{\text{Average size of class} \ \text{X} \ \text{Hours per week per teaching station X utilization factor.}} = \text{No. of teaching stations of classrooms}$$

i.e. Utilization factor to be determined by local school.

5. Submit cost estimate to local board.

   a. Cost per student, bldg. only, $1800.00 to $2850.00
   b. Cost per sq. ft., $11.00 to $29.00
   c. Total square feet per student, for school of 2000, 100-110 square feet
   d. The U. S. Office of Education publishes information showing construction cost averages. This information may be valuable when forming initial estimates of construction. The range in cost breakdown shown below are averages and do not represent absolute limits, nor do they necessarily apply to any particular project or locality.

      (1) Construction contracts 67 to 78% of total capital outlay budget; general construction from 51 to 60%; heating and ventilating 7 to 12%; plumbing 4 to 5%; electricity 4 to 8%.

      (2) Cost other than construction range from 22 to 33% of the total including such items as sites, from 3 to 9%; equipment 10 to 20% (this item will vary widely and should be in line with local school needs); engineering, architect and supervisory costs 5 to 9%; administration 1 to 4%.[1]

      Final cost estimates are normally computed by the architect, but may be contracted for from an outside estimator-consultant. Final estimates are not legally binding for any party in the construction process as no one can be held liable for contingencies or unpredicted market fluctuations.[2]

6. Submit report and recommendations on methods of financing.

   a. Construction costs

      (1) Local area bonding long term
      (2) Federal aid
      (3) Gifts and grants
      (4) Reserve funds accumulated in advance
      (5) Current revenues
      (6) Borrowing short term

   b. Cost of operation and maintenance of new facility. Show complete breakdown.

7. Development and adoption of long-range plan.

8. Local board action to proceed.

9. Selection and hire architect and develop plans and specifications.

---

[1] U. S. Department of Health, Education and Welfare, "Local School Construction Programs," #20 (Washington D. C., U. S. Government Printing Office 1957)

[2] "To Create a School" (A design for working relationship by Steward D. North Wisconsin Association of School Boards, Inc.)

a. Use form Suggested Guidelines for Employing Architects for Construction.

b. Architectural planning

   (1) Research, committee reports, and educational specifications turned over to architect.

   (2) Director and school committee develop design criteria with architect.

   (3) Develop schematic phase of plans.

   (4) Approval of schematic plans.

      (a) Approval local board
      (b) Approval state office

   (5) Develop design phase of plans.

   (6) Approval of design phase of plans.

      (a) Approval of local board
      (b) Approval of state office

   (7) Develop construction plans and specification.

      (a) Recheck all research, committee reports, and design criteria to determine fullfillment.
      (b) Check and verify Suggested Guideline Standards for Facilities.
      (c) Submit, 6 weeks in advance of bidding date, 3 copies to State Office Federal Form 303 Request for Determination of Wage Rate for Local Area.
      (d) Incorporate into specification in its entirety Technical Handbooks for Facilities Engineering and Construction Manual , Part 2.
      (e) Obtain legal opinion on adequacy of contract, insurance coverage, bonding and bidding procedure.
      (f) Pre-qualification of contractors before bidding plans and specifications are given out.

         ((1)) Suggest the use of, Suggested Guideline Bidder's Proof of Responsibility.
         ((2)) Proof of responsibility should be established well in advance of the advertisement for bids in order to allow only qualified contractors to receive bidding plans.

      (g) Local director and architect establish construction schedule.

((1)) Establish target date for completion of construction i.e., ideal July 1 or December 1. This will give two months to move and ready building for September or February use. With these dates fixed, the starting date for construction will depend on the size of project.

((2)) Use of "Liquidated Damages Clauses" with a realistic $ amount per day for noncompletion depending on size of job and damages incurred, i.e., do not use "Penalty Clauses" to meet completion date, if "Penalty Clauses" are used there will also have to be a "Bonus Clause" for completion in advance of completion date.

(h) Check for compliance with all laws and ordinances of local "City Plan Commission" or "City Building Commission."

(i) Obtain plan and specification approval from "Wisconsin Department of Industry, Labor and Human Relations."

(j) Obtain plan and specification approval from "Wisconsin Board of Vocational, Technical and Adult Education" office.

III. FACILITY CONSTRUCTION

NOTE: Constructor bidding procedures are established by the local board aided by its architects after final construction documents are complete and approved by board action. These bidding procedures present many legal technicalities and may require the service of legal council i.e. say city attorney. All decisions made on contract form, bonding, advertising and award of contracts must comply with all laws and regulations of the State of Wisconsin (Chapter 38 and Chapter 67 and others).

A. Bidding and contracting for construction

1. Advertisement for bids

   a. Local newspaper
   b. Western Builder
   c. Construction Industry Publications
   d. Builders Exchange
   e. Dodge Corporation

NOTE: Advertisement for bids should state the date, hour bidding is closed; and the precise ground rules for offering of bids and the rules for award of contracts.

In order to establish good public relations and assure good completive bidding a few simple and sound principles must be followed.

1. Plans and specifications should be prepared in sufficient detail that each knows exactly what is required on the job.

2. BIDS should be limited to the contractors whose qualifications have been approved. The conditions under which bids are to be taken should be stated in the invitation. For instance, it should be stated that the bids must be in accordance with the plans and specifications, that bids will be opened at a designated time and place and read at that time. Contractors are much more likely to submit their best prices if they know that all bids are to be disclosed to the bidders.

3. No contractor should be permitted to submit a bid if his qualifications are such that he would not be awarded the contract. It is only asking for trouble to allow such a contractor to take out plans and specifications in the hope that he either will not bid or if he does, that he will not be low.

4. Provided the low bid is fully responsive to the bidding requirements and is within the amount of money allocated for the job the award would be made to the low bidder. If the provisions of the preceding paragraphs are observed there should be no reason why the award should be made to any but the legitimate low bidder.

5. It is unfair to ask for competitive bids if the intention is to award the contract to a particular contractor even though the contractor may not be the legitimate low bidder. If preference is to be given to a particular contractor, the owner will be better advised to forego taking competitive bids.[1]

6. Allow no less than 4 weeks and up to 6 weeks time for bidding depending on size of project.

7. District vocational boards shall separately advertise for bids for (1) General construction (2) Plumbing (3) Heating and ventilating and (4) Electrical and award separate contracts in each area to lowest acceptable and responsible bidder.

8. All bids must be publicly opened, read aloud and tabulated.

9. Architect to analyze and evaluate all base and alternate bids and recommend to local board award of contracts.

10. Local board takes formal action on award of contracts and letters to proceed sent out.

11. Local board in larger projects employs Clerk of the Works as its representative to supervise all construction.

    NOTE: The qualifications of the Clerk of the Works are many and varied and often these men with tact and firmness are hard to find. Retired contractors, architects, and construction superintendents generally have the know how and ability to handle a job of this type.

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[1] Masters Builders of Iowa, Selecting a Contractor for your Building Program (Des Moines THE ASSOCIATION, undated)

Qualifications of Clerk of the Works.

1. General knowledge of modern construction practice.
2. Knowledge to read and interpret drawings and specifications.
3. Knowledge of modern construction materials.
4. Honesty and ability to deal with contractors.
5. Honesty and ability to make decisions.
6. Knowledge of administration and ability to keep construction records and charts.

12. Local director and school committees plans room, shop and lab layout and prepares to purchase new equipment needs and supplies architect with shop drawings for layout and roughing-in dimensions.

13. Local director supply and explain Check List for Contractor to all prime contractors under contract and supervises its compliance.

14. Local director supervises compliance with Check List for Applicant (local school) and check Weekly Payrolls, Weekly Statement of Compliance and, Routine Labor Relations Interview.

15. Change Orders. Careful planning, accurate plans & specification, and sound design criteria **are a must. Change Orders can and must be kept to a** minimum.

    a. All Change Orders **must** be in writing and approved by local board and State Office on recommendation of architect and after architects approval is given.
    b. All Change Orders should be as a lump sum proposal for fixed amount.

16. Weekly, bi-monthly or monthly job meetings depending on size of projects should be held.

    a. Attendance at job meetings by clerk of the works, architect, representative of state office, and all prime contractors or their representatives and representative of local school.
    b. Progress schedule established and maintained.
    c. Clerk of the Works to write report for each meeting.
    d. Problems of the several contractors on construction solved at these meetings.

17. Payment to contractors - payment to contractors should be made monthly for all labor and material wrought into the project and for materials suitably stored on job site.

    a. Payments made only on architects certificate for payment.
    b. Payments by local school on certificate should be made within 30 days.

18. Inspection reports

    a. State office and Federal inspectors must have access to the project at all times (reasonable) and the contractors will provide proper facilities for such access and inspection.
    b. The architect through the local director will submit monthly inspection reports.

19. Establishment of "Punch List." When the project is 95% complete, the architect, local director, representative of state office and all contractors will make an inspection and formulate a "Punch List" of items to be completed and/or corrected.

B. Acceptance of building by owner.

1. Final inspection
All work on "Punch List" complete and all work called for in plans, specifications and change orders completed and accepted according to established standards.
2. Local board takes formal action to accept building and authorizes architect to make final payment to all contractors.
3. Warranty begins
All instructors and maintenance personnel instructed to report all mal-functions and defects in writing to the attention of local director under date of occurrence.
4. Training program for operation of new facility
All instructors and maintenance personnel should receive training in the maintenance and operation of all automatic and mechanical equipment and devices under their care and custody, i.e. to be done by architect, contractors and equipment suppliers.
5. Moving into new additions or new building, i.e. shakedown run for teaching staff and maintenance personnel.
6. Public open house
The local director and committee of board and staff should plan the dedication of new facility with great care.
7. School Begins

A CHECK LIST FOR FACILITY PLANNING FOR SCHOOLS OF VOCATIONAL, TECHNICAL AND ADULT EDUCATION

I. Basic Considerations for Planning Vocational Education Facilities

A. THE SITE

	Yes	No
1. Size - Sufficient in area to provide space for:		
a. Present and future buildings		
b. Outdoor instruction and recreation		
c. Student, faculty, and visitor parking		
d. Site beautification		
e. Service, drives, walkways		
2. Location		
a. Readily accessible to drive-in traffic		
b. Availability of water, sewers, electricity, and gas at reasonable cost		
c. Coordinated with community planning		
3. Criteria for Selection		
a. Health and safety		
(1) Free of excessive noise, odors, smoke, dust and congested traffic		
b. Suitability		
(1) Adequate space for the various types of buildings, future expansion, drives, walkways, recreation, parkway		
c. Economy - The reasonable purchase price plus site features which preclude:		
(1) Excessive excavation and hauling		
(2) Special footings or pilings		
(3) Special installations because of distances to public utilities		
(4) Construction and maintenance of long access drives		
4. Site Development		
a. Building located and oriented properly		
b. Provision for placement of the building, drives, recreation areas, and parking space in proper relationship to one another		

	Yes	No
c. Provision for safe approaches to the site		
d. Provision for site beautification		

B. THE BUILDING

1. Curriculum Dictates the Design

A prime factor in the planning of facilities for vocational and technical education is the realization that each of the areas has specific requirements which must be met. Further, these programs may vary with the specific training needs of each community. Since the building and other facilities are basically educational tools, they are essential to the educational process and will help to achieve the purposes of the program. Building design is, then, an expression of how the problems of educational program planning have been solved.

2. Design Considerations

a. Flexibility

	Yes	No
(1) Creation of a building which can be readily adapted to future learning requirements, enrollments, and methods of teaching		
(2) Rearrangement of space in the building without major structural changes		
(3) Multiple use of space for both day and night classes		

b. Expandability

	Yes	No
(1) Increase in the floor area of a structure, either by expansion on the same level or by the addition of another story		

c. General environment

	Yes	No
(1) Proper control and balance of acoustics, heating, ventilating, lighting, and color		

d. Aesthetics

	Yes	No
(1) Imagination and creativity to meet emotional as well as physical needs		

e. Safety

	Yes	No
(1) Overall structural safety, traffic control, proper lighting, space for each item of equipment, removal of exhaust fumes, and suitable firefighting equipment for each area.		

f. Economy

	Yes	No
(1) Adaptation of the building to the site; building spaces that are related functionally; building perimeter lines straight, simple, and short		

	Yes	No
3. Program Considerations		
a. General classrooms for lecture or discussion-type activities		
b. Laboratories and shops for demonstration and project activity		
c. Preparation rooms and instructional supply storage		
d. Project storage and student lockers		
e. Library and resource materials		
f. Classroom equipment and furniture		
4. Administration Considerations		
a. Private and general offices		
b. Guidance, counseling, and conference rooms		
c. Health clinic		
d. Cafeteria and food service		
e. Personnel records vault		
f. Custodial and maintenance shops		
g. Central supply receiving and storage rooms		
h. Toilets, drinking fountains, and rest rooms		
5. Environmental Controls		
a. Proper heating and ventilation to control room air temperature, humidity, purity, and distribution		
b. Acoustical treatment to control or minimize sound transmission in and between classrooms, shops, laboratories, and other areas		
c. Balanced electrical lighting, natural light, and interior finishes		
6. Auxiliary Needs		
a. Electricity, gas, and water		
b. Sewage and waste disposal		
c. Inter-communication system		
d. Program clock and emergency bell system		
e. Closed circuit TV		
7. Area and Space Relationships		
a. Proper relationships of each area to others to facilitate traffic flow, reduce noise and confusion, and to complement program planning		
b. Noisy areas separate from other areas		
c. Ease of movement of supplies and equipment		
d. Accessibility of parking areas to the administrative offices and instructional learning areas		
e. Various rooms or areas zoned for independent use as needed or desired		

NOTE: All reactions should be made in light of established guidelines and all negative reactions must be justified in detail.

II. Educational Specifications

A. What Are They?

The written outline of the vocational and technical education program and the facilities needed to accommodate that program.

B. What Are Their Values:

1. Thorough Examination of the Needs Will:
    - a. Stimulate more effective planning
    - b. Promote economy in planning the facilities
    - c. Aid in determining the number and types of rooms and space to be provided
    - d. Serve the architect as a guide for building design
    - e. Serve the students, faculty, and staff as a guide to utilize the building more effectively
    - f. Provide for more cooperative planning and understanding of program objectives
    - g. Emphasize the community's objectives and aims for the vocational and technical education program

C. What Do They Include?

1. General Requirements
    - a. Statement of the philosophy and objectives of the community for its vocational and technical education program
    - b. A plan of the proposed vocational and technical education organization, program, and the groups to be accommodated
    - c. A description of the educational facilities needed
2. Detailed Requirements
    - a. Statements of the philosophy and objectives of each of the subject offerings
    - b. Space requirements, numbers, and kinds of rooms needed for each subject field
    - c. Special utilities and service needs in shops and laboratories
    - d. Relationships of spaces required or preferred
    - e. Environmental factors needed or desired
3. Miscellaneous Information
    - a. Traffic patterns--interior and exterior
    - b. Storage
    - c. Floor materials ain shops and laboratories
    - d. Cleaning systems
    - e. Intercom, program bell, and clock systems

    - f. Furniture and equipment to be housed
    - g. Custodial services
    - h. Mechanical equipment

D. Who Develops Them

1. A combined effort of the following, operating under the legal authority of the local board of education:

    - a. Administrative staff
    - b. Instructional staff
    - c. Educational consultants
    - d. Architects
    - e. Lay groups
    - f. Students
    - g. Occupational advisory groups
    - h. Representatives from management and labor and other responsible educational agencies

SUGGESTED GUIDELINE STANDARDS FOR FACILITIES

A. Ceiling Heights:

1. Offices 8' 0" to 9' 0"
2. Corridors 8' 0" to 8' 6"
3. Class Rooms 9' 0" to 10' 0"
4. Laboratories 9' 0" to 10' 6"
5. Shops 9'0" to 16'0"

    a. Drafting Room 9' 0" to 10' 0"
    b. Electronic Lab 9' 0" to 10' 0"
    c. Woodshop 9' 6" to 18' 0"
    d. Welding Shop 9' 6" to 12' 0"
    e. Machine Shop 9' 6" to 12' 0"
    f. Auto Mechanic Shop 9' 6" to 12' 0"
    g. Metals Shop 9' 6" to 12' 0"
    h. Agricultural Shop 10' 0" to 14' 0"
    i. Special Shops 10' 0" to 16' 0"

6. General Assembly Room 9' 0" to 12' 0"

B. Class Room, Office Laboratory and Shop: Size and Shape

The relationship of length to width should approximate a ratio of 1 to 1 rather than the old concept of a 2 to 1 ratio, a ratio of 3 - 2 may also be considered in some shops.

1. Offices

    a. General Administrative Office 24' x 18' or 432 sq. ft.
    b. Director's Office 18' x 14' or 252 sq. ft.
    c. Board or Conference Room 24' x 16' or 384 sq. ft.
    d. Secretary Office 12' x 12' or 144 sq. ft.
    e. Business Managers Office 12' x 12' or 144 sq. ft.
    f. Finance Office 12' x 12' or 144 sq. ft.
    g. Storage for above offices 30 to 40% of the above total.
    h. Instructor's offices 10' x 8' or 80 sq. ft.
    i. Instructor Carrels 8' x 8' or 64 sq. ft. (Grouping Instructors by Area or department into office carrels rather than individual offices at classroom, lab or shop should be given careful study.)

2. Class and Conference Rooms

The Wisconsin Administrative Code Rules of Industrial Commission Building Code chapter Ind. 56.11 "Floor space and ceiling heights". (1) All class and recitation rooms shall have a minimum floor space of 23 sq. ft. per person. Rooms used only for study purposes shall have a minimum floor space of 15 sq. ft. per person. (2) In colleges or universities classrooms seated with tablet arm chairs, or seats without desks, shall have a minimum floor space of 10 sq. ft. per person.

C. Laboratories

1. Physics 50 sq. ft. per student + 15% additional space for storage
2. Chemistry 45 sq. ft. per student + 15% additonal space for storage
3. Mechanics 60 sq. ft. per student + 20% additional space for storage
4. Hydraulics 85 sq. ft. per student + 25% additional space for storage
5. Fluid Power 80 sq. ft. per student + 25% additional space for storage
6. Special laboratories must be given special consideration.

D. Library

1. The library in a modern and progressive school for vocational and technical education will be one of the most important facilities of our schools. The library could well be the center hub in the relationship of facilities. A separate wing for library and student lounge in a one building school or separate building to house library and student lounge in the campus type school would be a sound approach.

2. Library Areas to be considered

    a. Reading and work areas
    b. Informal reading areas
    c. Individual study carrels
    d. Circulation area, card catalog, checkout, etc.
    e. Open shelf area
    f. Conference rooms
    g. Work rooms
    h. Reference room
    i. Current periodicals area
    j. Typing carrels
    k. Audio-visual center (recording and viewing including closed circuit television)
    l. Material development center
    m. Reading for pleasure area

3. Seating capacity suggested minimum 25% of full-time enrollment

4. Size of Library:
   25 to 30 sq. ft. per reader exclusive of stack and work area

5. Size of stack area:

    a. 15 volumes per sq. ft. of floor space
    b. 2 volumes per cubic foot if the standard 76 inch high book stack is used.
    c. 6 books for lineal foot of shelf space
    d. 125 books for 3 foot section 76 inch high stack
    e. Minimum 2' 6" lineal foot table edge per student.

6. It may be well in planning a new library facility to take a close look and examine all the newer furniture, equipment, etc. now on the market for the newer concept of library operation.

E. Business and Distributive Education

1. Typing Lab. 25 to 60 students 30 sq. ft. per student
2. Steno Lab. 18 to 24 students 40 sq. ft. per student
3. Office Machine Lab. 20 to 24 students 32 sq. ft. per student
4. Accounting Lab. 18 to 24 students 35 sq. ft. per student
5. Dictation Lab. 24 to 30 students 30 sq. ft. per student
6. Marketing Lab. 20 to 24 students 45 sq. ft. per student
7. Marketing classroom 30 students 25 sq. ft. per student
   All of the above labs to have 10 to 15% additional space for storage

F. Home Economics Education

1. Home and Family Living Area

   a. Clothing, Textiles and Related Laboratory 15 to 20 students 70 sq. ft. per student + 10% added wall storage.
      2 labs of this type needed

   b. Meal Management and Laundry Area Laboratory 15 to 20 students 85 sq. ft. per student + 10 to 20% added wall storage

   c. Housing and Home Furnishing Area Laboratory 15 to 20 students 65 sq. ft. per student + 15% added wall storage

   All of the 4 laboratories could be equipped with acoustical folding doors to divide the labs into 2 rooms for smaller groups.

2. Wage Earner Area

   a. Food service workers kitchen area + 1500 sq. ft. with acoustical folding door divides into 2 kitchens + 300 for cafeteria service area and + 6000 sq. ft. for multi-purpose room dividable into 4 smaller areas

   b. Child care and management aids 15 to 20 students 60 sq. ft. per student + 15% added wall storage.

G. Trade and Industiral Education

1. Drafting
   20-24 students 65 sq. ft. per student + 5% additional space for storage
2. Machine Shop
   18-20 students 150 sq. ft. per student + 15% additional space for storage
3. Welding Shop
   18-20 students 100 sq. ft. per student + 10% additional space for storage
4. Auto Mechanic Shop
   15-20 students 350 sq. ft. per student +10% additional space for storage
5. Auto Body Shop
   15-20 students 250 sq. ft. per student + 20% additional space for storage

6. Electronic Shop
   16-20 students 110 sq. ft. per student + 12% additional space for storage
7. Sheet Metal Shop
   18-22 studnets 115 sq. ft. per student + 10% additional space for storage
8. Cabinet and Carpentry Shop
   15-18 students 125 sq. ft. per student + 20% additional space for storage
9. Graphic Arts, Printing Shop
   15-20 students 130 sq. ft. per student + 15% additional space for storage.

H. Health Occupations

1. Nursing Education Lab.
   20-24 students 85 sq. ft. per student + 20% additional space for storage
2. Medical Assistant Lab. and Operating Room Assistants Lab.
   18-20 students 100 sq. ft. per student + 15% additional space for storage
3. Dental Assistant Lab.
   18-20 students 110 sq. ft. per student + 15% additional space for storage
4. Special **Labs** to be given special study and consideration
5. Dental Hygienist Lab.
   18-20 students 80 sq. ft. per student + 15% additional space for storage
6. A.V. Center 2000 sq. ft. + storage

I. Data Processing and Computer Lab.

1. Computer Laboratory

   24 students, 35 sq. ft. per student or room 24' 0" x 35' 0", air conditioned with under floor raceway on grid of 1' 6" o.c. + 10% added space for storage.

2. Key Punch, Electro Mechanical Machine and Classroom

   24 students, 80 sq. ft. per student 1920 sq. ft. air conditioned with acoustical folding doors to divide room into 3 parts. Also acoustical ceilings + 15% added space for storage.

3. Also additional space as needed.

J. Guidance Complex

1. See VE-AD-71
2. One full-time counselor for 750 full-time students.
3. Individual office 10'0" X 10'0"
4. Steno and reception office 15' 0" x 20' 0"
5. Individual testing room 9' 0" x 9' 0"
6. Group testing room 6 to 8 students 11' 0" x 14' 0"
7. Conference room 10 to 12 students 15' 0" x 15' 0"
8. Storage

K. Land - Size of Site

1. Campus Type

   a. 1000 students, 40 acres minimum
   b. 1 acre for each 25 students up to 2500 students

2. Visitor Parking (Minimum of 20 parking spaces)

3. Student Parking

   a. One parking space for each full-time day student
   b. 150 cars per acre

4. Distances between classrooms, labs and shops

   a. 1500 feet +
   b. Normal walking speed 3 miles per hour or 5.6 minutes to walk 1500 feet

L. Corridors, Stairways, Elevators and Escalators

1. Corridors

Corridors have long been a problem for both the educator and the architect. Corridor size and planning depend on many factors such as student flow, traffic patterns, classroom utilization and student station utilization. The above factors will determine circulation requirements and corridor density. Corridor width will also depend on the arrangement of student lockers, i.e. no lockers in corridor, lockers on one side of the corridor only, and lockers on both sides of the corridor. In general, a recommended procedure would be to provide about 1000 square feet of corridor for every 200 to 250 student stations or about 4 to 6 square feet of corridor per station.

2. Stairways

The Wisconsin Building Code requirements will have to be met as it pertains to number, location and size of stairways. Each project plan will require individual approval to meet Code requirements.

3. Elevators and Escalators

Elevators and escalators are a means to handle heavy student vertical traffic and must be employed in the development of high rise structures. The cost of elevators and escalators must be carefully analyzed in relationship to land acquisition and the development of two and three story structures. The following quotation from a study by the University Facilities Research Center, 816 Living Place, the University of Wisconsin, Madison, Wisconsin analyze the problem this way:

"To begin with, it is clear that the more work the vertical transportation system performs, the more the installation will cost. The following example gives some idea of the proportion of the building dollar that may be committed to vertical transportation.

Assume a ten story building with a classroom capacity of 400 per floor or 4,000 students total. Assume a gross floor area of 10,000 square feet and a gross building area of 100,000 square feet.

To transport 40 percent of the student station capacity in ten minutes will require an investment of about $1,500,000. This is the cost, probably minimal, of twelve large (7,000 pound capacity) passenger elevators, including hoistways.

To evaluate this kind of expenditure two questions should be asked and answered: What is the ratio of elevator cost to building cost, and how efficient is the performance of the elevators?

The total construction of the building in the example, without elevators, would be in the range of $2,000,000 - $2,500,000, even if the gross area were distributed over three or four stories. Converting the same functions to a high-rise, elevator equipped building would thus add 60 percent to the cost. This additional expenditure would presumably be offset by savings in land and, to a small extent, by savings in stairwell area."

SUGGESTED GUIDELINES FOR EMPLOYING ARCHITECTS FOR CONSTRUCTION

The selection of an architectural firm to develop plans and specifications for facilities to be used for a realistic program of Vocational Education is of paramount importance. The publicity received on the several projects around the state under construction, will generate several requests for considering architectural firm soliciting architectural commissions. The State Board of Vocational and Adult Education is of the opinion that this selection must be made impartially, objectively and professionally.

Three principal elements to be considered in selecting an architect are: (1) The ability to translate Vocational and Technical program requirements into an architecturally pleasing and functional structure; (2) The ability to create a structure that is mechanically and economically functional; and (3) The ability to work within the limitations of time, money and general performance established for the project. A panel or committee should be selected and charged with the responsibility of selecting an architectural firm. This committee should consist of the following:

1. Local Director
2. One or more members of the Local Board of Vocational and Adult Education
3. One representative of the State Office

The objective of the panel or committee is to determine which firm of the many available can best meet the requirements as set forth in the following check list:

No.	Criteria	High	Average	Low
1	Experience of the firm and past performance			
2	Primary emphasis of experience of the firm such as schools, hospitals, etc.			
3	Specific specializations of the firm as to Vocational - Technical schools.			
4	Home office of the firm in relation to the project.			
5	Size of staff and experience of staff members.			
6	Comparative work with either public or private clients.			
7	Past relations with local school.			
8	Current work loads with public and private clients.			

No.	Criteria	High	Average	Low
9	Ability to meet budgets and schedules.			
10	Thoroughness in plans and specifications to keep extras at a minimum.			
11	Economic, esthetic, and mechanical success of past projects.			
12	Recommendations and opinions of private owners.			
13	Financial stability of firm.			
14	Cooperative attitude of firm to meet demands and desires of owner.			

After due consideration in light of the above criteria, the field is narrowed to a point that a majority vote of the panel or committee can select the successful firm.

SUGGESTED ARCHITECT QUESTIONNAIRE

(A Guide for Questions)

1. Name of Firm ______________________________

2. How long have you been in business?

3. Where is your home base of operation?

4. How many professional owners and how many professionals does your firm hire?

5. What are the types of work you have done and what has been the dollar value and square footage of these projects?

6. Give listings of clients served.

7. What type of contract must we enter into in terms of what you will do and/or what you charge extra for, and your fee?

8. How much and how often will we receive "on-sight" supervision if you are selected for this project.

9. Who contracts for, and who pays for, the test borings?

10. How many sets of plans and specifications and bidding documents will be provided under the base fee?

11. A. What type of arrangements do you have for long-range planning? Do you have personnel on your staff or do you contract this work out, and what would be the cost?

B. What type and name of firm would do the long-range plan?

12. Who does your heating, ventilating, air-handling, plumbing and electrical work? Are these individuals with your firm or on contract? If some of this work is sub-contracted, whom do you generally use for this type of work?

13. A. How soon can you start this project?

B. What is the estimated length of time for long-range planning?

14. How long before preliminary planning drawings can be made?

15. How long would it be before final working drawings are available?

GENERAL COMMENTS:

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
USA

TECHNICAL HANDBOOK FOR FACILITIES ENGINEERING AND CONSTRUCTION MANUAL

PART 2

FEDERALLY ASSISTED ACTIVITIES

2.2 INFORMATION FOR APPLICANTS ON FEDERAL WAGE RATE AND LABOR STANDARDS REQUIREMENTS

FACILITIES
ENGINEERING
CONSTRUCTION

Office of the Secretary · Department Technical Handbook Series · Department Staff Manual System ·

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Exhibit A - Listing of DHEW Regional Offices of Facilities Engineering and Construction
Exhibit B - Form FEC 2-3 "Report of Supplemental Wage Rate Classification"
Exhibit C - Form HEW 514 "DHEW Requirements for Federally Assisted Construction Contracts Regarding Labor Standards and Equal Employment Opportunity
Exhibit D - SF-308 "Request for Determination and Response to Request"

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FOREWORD

This Handbook contains information for Owners and State Agencies on Federal Wage Rates and Labor Standards for DHEW Federally assisted construction projects.

Further information on any item may be obtained from the DHEW Regional Engineer, Regional Office of Facilities Engineering and Construction.

DISCRIMINATION PROHIBITED -- Title VI of the Civil Rights Act of 1964 states, "No person in the United States shall, on the ground of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance." Therefore, any program or activity receiving financial assistance from the Department of Health, Education, and Welfare must be operated in compliance with this law.

Third Printing -- This printing dated January 1973, supersedes the July 1972 printing.

CHAPTER I GENERAL

Approval of Federal financial assistance for construction projects is conditioned upon the owner's assurance that laborers and mechanics employed under contracts of $2,000 or more, and apprentices and trainees employed under contracts of $10,000 or more, shall not be paid less than the prevailing minimum wage rates as determined by the Secretary of Labor, and not less than one and one-half their basic hourly wage rate (exclusive of fringe benefits) for all hours worked in excess of eight in a day or forty in a week, whichever provides the greater number of overtime hours.

All prime construction contracts of $2,000 or more and all subcontracts thereto regardless of amount, must include a copy of the Federal wage determination issued for the project and Federal wage rate, labor and safety standards, and equal employment conditions.

UNDER CERTAIN DHEW FEDERALLY ASSISTED CONSTRUCTION PROGRAMS, SUCH AS HIGHER EDUCATION, SCHOOL ASSISTANCE IN FEDERALLY AFFECTED AREAS AND NATIONAL INSTITUTES OF HEALTH, DHEW HAS DIRECT CONTACT WITH THE PROJECT OWNER. UNDER OTHER FEDERALLY ASSISTED CONSTRUCTION PROGRAMS SUCH AS HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION AND SOCIAL REHABILITATION SERVICES, DHEW HAS DIRECT CONTACT WITH A STATE AGENCY RATHER THAN WITH THE PROJECT OWNER. REFERENCE THROUGHOUT THIS HANDBOOK TO "OWNER" MEANS WHICHEVER PARTY IS APPROPRIATE IN HAVING DIRECT CONTACT WITH DHEW.

DHEW and FEC forms specified in this publication may be obtained without cost from the Regional Office of Facilities Engineering and Construction (Exhibit A).

CHAPTER II FACILITIES ENGINEERING AND CONSTRUCTION AGENCY RESPONSIBILITIES

The Facilities Engineering and Construction Agency (FECA), through the Regional Offices of Facilities Engineering and Construction (ROFEC), has primary responsibility for advising on and assessing labor standards compliance on construction projects receiving Federal assistance under the various DHEW programs. Both FECA and the ROFECs are also made responsive to the opinions of the U.S. Department of Labor (DOL) concerning questions of coverage, correct wage rate and classifications applicable to work performed on a project, collection of data relative to compliance reports, statistics, and wage payment information, and matters relative to contract labor standards compliance.

Generally, when a project has been approved, the role of FECA and the DOL will be that of review and guidance. However, pursuant to the requirements of the statutes and the applicable Federal regulations, both FECA and the DOL retain the prerogative of making such investigations, recommendations, and rulings as may be necessary to discharge their respective responsibilities for labor standards compliance. The ROFECs welcome discussions with Owners relative to the implementation of labor standards compliance and will provide assistance as needed.

CHAPTER III FEDERAL WAGE RATE DETERMINATION

3.1 Individual Project Determination

About two weeks before submission of invitation-for-bid documents to ROFEC, the Owner will furnish the ROFEC with information needed for completion of Standard Form 308, "Request for Determination and Response to Request". (See Chapter IV, 4.1) On those construction programs which do not require ROFEC approval of final design documents, the Owner will forward the information to the ROFEC about 45 days before the target date for bid advertising. Upon receipt of a wage rate determination the Owner or his Architect should immediately review this determination to ascertain if additional classifications are needed. If so, supplemental classifications must be established using the appropriate procedure outlined in Section 3.4.

A project wage rate determination is valid for a period of 120 days from the date of the determination. If the contract is not awarded prior to the expiration date a new determination must be obtained from the DOL. Construction contracts shall not be awarded if the wage rate determination has expired. The ROFEC should be contacted immediately for guidance if it appears that a determination will expire prior to contract award. (See Chapter III, 3.3, "Redetermination.")

The DOL may automatically amend wage rates after a determination has been made. A modification to a project wage rate determination received by the ROFEC at least ten (10) days before bid opening date must be incorporated by the Owner in the proposed bid documents by bid addenda.

3.2 General or Area Determinations

The U.S. Department of Labor issues general or area determinations which cover a given geographical area, usually on a county-by-county basis. General determinations are published in the Federal Register and have no expiration date. These general determinations shall be modified and the modifications will be published in the Federal Register on a timely basis to keep them current. All actions modifying a general wage determination published in the Federal Register at least ten (10) days before bid opening must be incorporated in the proposed bid documents by bid addenda. Copies of applicable general wage determinations will be furnished to the Owner by the ROFEC.

3.3 Redetermiantion

If it appears that a wage determination may expire between date of bid opening and date of award, the Owner shall immediately advise ROFEC so that a wage redetermination can be requested sufficiently in advance of the bid opening date to be incorporated in the "Invitation-for Bid"documents by bid addenda prior to that date.

3.4 Supplemental Classifications

If the DOL wage determination does not include rates for certain classifications requested the rates of pay shall be established as follows:

> Rates of pay for laborers and mechanics, including apprentices and trainees, must not be less than the wage rates determined for the locality under any applicable State law. The prevailing rates of pay shall be those determined by the Owner and concurred in by ROFEC, who shall prepare Form FEC 2-3, "Report of Supplemental Wage Rate Classification" (Exhibit B), and forward it to the Regional Office of DOL. (If the contract has been awarded, the rate shall be recommended by the contractor and concurred in by the Owner and ROFEC.) When State law requires the pre-determination or approval of prevailing minimum wage rates, evidence of the determination or approval shall be obtained by the Owner and furnished to ROFEC, and the State wage rate determination or prevailing rates, whichever are higher, shall be incorporated in the contract documents.
>
> The Owner shall obtain,if possible, a signed statement with respect to prevailing rates from the respective Secretaries of the Associated General Contractors of America and the Building Trades Council having jurisdiction, listing the classifications of labor to be employed and the prevailing minimum wage rates for each.
>
> If these associations do not function in an area, certified lists of prevailing wage rates obtained from three area contractors are to be submitted by the Owner (in triplicate) for concurrence by ROFEC. Upon concurrence, one copy shall be returned to the Owner for incorporation in the contract documents by addenda. After contract award, supplemental classification wage rate determinations shall be incorporated in the contract by contract change order.

If all interested parties, including each affected employee where there is no representative labor group, cannot reach agreement as to the proper classification or reclassification, ROFEC shall refer the matter, giving all particulars to the appropriate Regional Office of DOL.

3.5 Apprentice and Trainee Requirements

On contracts in excess of $10,000 the employment of all laborers and mechanics, including apprentices and trainees, shall be subject to the provisions of Paragraph E, of the HEW 514, as revised, entitled "DHEW Requirements for Federally Assisted Construction Contracts Regarding Labor Standards and Equal Employment Opportunity" (Exhibit C.)

Apprentices will be permitted to work as such only when they are registered individually, under a bona fide apprenticeship program registered with a State apprenticeship agency which is recognized by the Bureau of Apprenticeship and Training, DOL; or, if no such recognized agency exists in a State, under a program registered with the Bureau of Apprenticeship and Training, DOL. The allowable ratio of apprentices to journeymen in any craft classification shall not be greater than the ratio permitted to the contractors as to his entire work force under the registered program. The contractor or subcontractor will then furnish to the Owner written evidence of the registratio of his program and apprentices as well as of the appropriate ratios and wage rates, for the area of construction prior to using any apprentices on the contract work. Any employee listed on a payroll at an apprentice wage rate who is not a trainee as defined below or is not registered as above, shall be paid the wage rate determined by the Secretary of Labor for the classification of work he actually performed.

Trainees will be permitted to work as such when they are bona fide trainees employed pursuant to a program approved by the DOL, Bureau of Manpower Administration,Bureau of Apprenticeship and Training.

3.6 State Wage Determinations

Where a State wage determination is required by State law, the Owner shall obtain from the State Department of Labor a determination of applicable wage rates and a copy shall be furnished to ROFEC. These rates shall also be incorporated in the bid documents. In case of any difference between the State determination and that of the Secretary of Labor, the higher rate shall prevail. Periods of validity vary among States and redeterminations must be secured in accordance with State rules and regulations.

CHAPTER IV OWNER'S RESPONSIBILITIES

4.1 Scope of Responsibilities

Subject to the provisions of project approval, the Owner (or authorized representative) will be responsible for performing the following functions:

a. Furnishing ROFEC with the following information needed for completion of SF-308 "Request for Determination and Response to Request"

   1. Estimated Advertising Date
   2. Estimated Bid Opening Date
   3. Prior Decision Number (if request is for a "Redetermination")
   4. Estimated Value of Contract
   5. Type of Work, (i.e., Building, Highway, Heavy)
   6. Project Location (City, County, State)
   7. Description of Work
   8. Crafts Needed

b. Inclusion of appropriate Federal labor and safety standards and equal employment provisions in the bidding and construction contract documents.

c. Providing evidence of prevailing area wage rates as may be requested by ROFEC.

d. Reviewing copies of payrolls submitted weekly by the contractor.

e. On-site labor standards compliance interviews and investigations.

f. Documentation of labor violation investigation reports.

g. Insuring payment by contractor of wage restitutions and overtime payments due.

h. Making recommendations concerning the application of ineligibility sanctions to contractors or subcontractors who may have been found to be in aggravated and willful violation of the Federal wage rate and labor standards conditions of their contracts.

i. Ascertaining that contractors carry out the labor standards obligations of their contracts and subcontracts, including timely preparation and submission of payrolls and statements; payment of all wages to laborers and mechanics, including apprentices and trainees, when due; preservation of payroll records for three years after final payment; and making payrolls and payroll records available for inspection and investigation as required.

4.2 Federal Wage Rate, Labor and Safety Standards, and Equal Employment Conditions To Be Included In Bid And Construction Contract Documents

The Owner is responsible for including applicable Federal wage rate, labor and safety standards, and equal employment conditions in all bidding and construction contract documents. It is the responsibility of the contractor to assure that these same conditions are also included in subcontracts.

4.3 Wage Rate Payment Evidence

When requested to do so, an Owner shall obtain and forward to ROFEC such wage payment evidence as may be available in order that the wage determination to be established for a project may more accurately reflect the prevailing minimum wage rates. Wage payment evidence shall consist of copies of payrolls and statements from contractors, contractor organizations, and labor unions which indicate the cost and character of construction undertaken, the names and addresses of contractors performing work in the area within the recent past, and the number of their employees by classification and wage rate.

4.4 Payroll Reviews

Although payroll forms vary as to layout, an adequate payroll review will permit the applicant to determine whether any of the following required information on laborers and mechanics, including apprentices and trainees, employed by the contractor may have been omitted:

a. Name of employee.

b. Address (required on the payroll for the first week during which the employee was employed and on such subsequent payrolls as may be necessary to provide a current address for the duration of his employment on the project).

c. Classifications (which must be among those appearing on the applicable wage determination, with a wage rate not less than that shown on the determination for the classification).

d. Daily and weekly hours worked, by classification.

e. Deductions taken and fringe benefits credited by name.

f. Net pay.

g. Signature, title, and certifications (statement of compliance) of the contractor (or his authorized representative paying or supervising the paying of the laborers and mechanics, including apprentices and trainees).

In addition, adequate payroll review should cover systematic spotchecking for the following information, discrepancies in which will be considered a basis for requesting the contractor to make appropriate corrections or for the Owner to initiate a compliance investigation:

a. Ratio of apprentices and trainees to journeymen mechanics.

b. Classification and ratios of men employed in each classification which would be appropriate for the performance of the work according to the progress of the construction.

c. Mathematical computations.

d. Unusual and recurring patterns of employment relative to hours worked in more than one classification by an individual employee.

e. Evidence of registration of apprentices shown on the payroll, and evidence of approved trainee program.

For a payroll review to be effective as a compliance aid, it must be made on payrolls of contractors and subcontractors submitted for the first week in which they employ a full or nearly full complement of laborers and mechanics and at least at monthly intervals thereafter until the conclusion of construction work.

4.5 On-Site Labor Standards Compliance Interviews and Investigations

On-site labor standards interviews should be made monthly during the course of construction, preferably during the period when the greatest number of laborers and mechanics are employed. At the time of labor interviews, inquiry should be made regarding such items of information as job classification, hourly rate of pay, whether classification reflects duties actually being performed, use of tools or equipment in performance of duties, overtime worked on daily and weekly basis, and evidence of registration in approved apprenticeship program. A reasonable number of employees should be interviewed among the various crafts employed, and there should be a cross-checking of the information obtained against the work actually being performed, payroll record information, and the wage determination posted at the job site.

Investigations, as distinguished from interviews, are required when information has been received which indicates the possibility of wage underpayments or other violations.

While investigations are primarily for the purpose of finding the facts, they should also include sufficient use of interview techniques to insure a knowledge of the full nature and extent of any labor standards violations that may exist on the project. Investigations should include a thorough checking of the payrolls and payroll records relative to the complaint, and interviews with the complainant and any other employees he states as having knowledge of the alleged violation. A written statement should be obtained from the employee, indicating precisely the tools used, the work performed, the hours worked, the straight time and overtime compensation received and other pertinent information.

Generally, all reports of labor standards violations need to be investigated sufficiently to provide a resolution of the findings. In making an employee interview or investigation, care should be taken to maintain information received from other employees in confidence unless an individual willingly signs a statement permitting free use of the information in the conduct of the investigation. Care should also be taken to refrain from discussing amounts due or probable consequences of the investigation with either employees, contractors, subcontractors, or their representatives until the investigation has been completed, supporting evidence of findings of fact obtained, and a restitution wage schedule prepared and reviewed.

4.6 Investigation Report Documentation

The Owner's investigation report to ROFEC should contain adequate contract and contractor identification, a narrative explanation of the complaint and investigation, findings of fact, a schedule of restitution and overtime penalties due, conclusions (including one as to whether such violations as may have been found were willful or aggravated, as the nature and extent of the violations disclosed may require), and agreed remedial action to be taken by the contractor. Documents such as copies of payrolls, payroll records, interview statements, pay envelopes, checks, check stubs, employee time books, and copies of appropriate extracts of the contract should be obtained and attached to the reports as needed to support the investigative findings and their resolution.

4.7 Insuring Payment By Contractor Of Wages And Overtime Due To Contractor's Employees And Overtime Penalties.

At the point at which investigation discloses the possibility that wages may be due employees, the Owner should arrange for the withholding of sufficient funds due a contractor to cover the probable amount of the monetary violations indicated plus any liquidated damages, until the violations have been corrected to the satisfaction of ROFEC and/or DOL as the case may require. When a contractor acquiesces in the amounts found due and provides evidence of payment, funds due him shall be released.

When a contractor refuses to pay the amounts found due, the Owner is responsible for supervising payment to the laborers and mechanics, including apprentices and trainees, involved and the amounts due the Federal Government for overtime penalties under the Contract Work Hours and Safety Standards Act. A corresponding amount is then deducted from the final payment to the contractor by the Owner.

Wage restitution due an employee who cannot be located shall be placed in escrow at the employees disposal for a period of either two years following the completion of the contract, or such longer period as may be required by State or local law. Upon expiration of this period, any amounts still unclaimed will be disbursed by refunding to the DHEW grantor agency either (1) the entire amount if the construction project received 100 percent DHEW participation, or (2) the same percent of the amount remaining in the account as the percent of DHEW participation in the project. In the event the project was participated in by more than one DHEW program at differing rates, the percentage on which the refund is based should be an average percentage arrived at by weighting each program's rate of participation by the dollar amount of that program's contribution.

If the contractor has made a reasonable effort to locate the employee by having mail forwarded and by contacting his union, the institution need not repeat such attempts. If there is reason to believe that the contractor's efforts to locate employees due wages were not thorough, it will be to the institution's advantage to attempt to liquidate such obligations. Doing so will reduce the likelihood of future claiming actions.

If any wages held in escrow are paid out to an employee or his legal representative during the period in which the account is maintained, a complete report to the grantor agency must be made when the account is closed.

4.8 Ineligibility Sanctioning Of Contractors And Subcontractors Found To Be In Willful Violation Of Contract Federal Wage Rate and Labor Standards Conditions

Section 5.6(b) of Regulations, Part 5 (29 CFR, Subtitle A), which is applicable to construction projects discussed herein, provides for the application of ineligibility sanctions to contractors or subcontractors who have been found to be in aggravated or willful violation of the labor standards provisions of their contracts. Generally, violations considered to be aggravated are those for which wage restitution has been found due in the amount of $500 or more. Violations considered to be willful are those which result from the deliberate action or non-compliance on the part of a contractor or his responsible officials with regard to the labor standards requirements of his contract. Ineligibility status is designed to prevent an individual or firm, or related firm in which the individual or firm has a substantial interest, from performing Federal or Federally assisted construction work for a period not to exceed three years from the date of debarment as specified in the debarment decision. In willful or aggravated violation cases, the Owner must make a recommendation (based on its findings) for or against ineligibility action in the report to ROFEC.

EXHIBIT A

DHEW REGIONAL OFFICES OF FACILITIES ENGINEERING AND CONSTRUCTION

REGION I - Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont

Mr. James J. Sullivan, Regional Engineer
John F. Kennedy Federal Building (617) 223-6641
Boston, Massachusetts 02203

REGION II - New Jersey, New York, Puerto Rico, Virgin Islands

Mr. Frank C. Trentacosti, Regional Engineer
26 Federal Plaza (212) 246-3600
New York, New York 10006

REGION III - Delaware, Maryland, Pennsylvania, Virginia, Washington, D.C. West Virginia

Mr. Owen J. Johnson, Regional Engineer
P. O. Box 13716 (215) 597-6888
Philadelphia, Pennsylvania 19101

REGION IV - Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina South Carolina, Tennessee

Mr. James E. Yarbrough, Regional Engineer
50 Seventh Street, N.E. (404) 526-3816
Atlanta, Georgia 30323

REGION V - Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin

Mr. Melvin Fisher, Regional Engineer
300 South Wacker Avenue (312) 353-6595
Chicago, Illinois 60606

REGION VI - Arkansas, Louisiana, New Mexico, Oklahoma, Texas

Mr. Delmer D. Blue, Regional Engineer
1114 Commerce Street (214) 749-2115
Dallas, Texas 75202

REGION VII - Iowa, Kansas, Missouri, Nebraska

Mr. Marvin Monk, Jr.
601 East 12th Street (816) 374-2387
Kansas City, Missouri 64106

EXHIBIT A (cont'd)

REGION VIII - Colorado, Montana, North Dakota, South Dakota, Wyoming
Utah

Mr. Thomas E. Moore, Regional Engineer
Federal Office Building, Room 9017 (303) 837-3119
19th and Stout Streets
Denver, Colorado 80202

REGION IX - Arizona, California, Guam, Hawaii, Nevada

Mr. Jerry Kosro, Regional Engineer
50 Fulton Street (415) 556-7934
San Franicsco, California 94102

REGION X - Alaska, Idaho, Oregon, Washington

Mr. Robert Mommsen
The Arcade (206) 442-0406
1321 Second Avenue
Seattle, Washington 98101

EXHIBIT B

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

REGIONAL OFFICE OF
FACILITIES, ENGINEERING AND CONSTRUCTION

TO: Regional Administrator - Employment Standards Administration
U. S. Department of Labor

SUBJECT: Supplemental Wage Rate Classification Action
Project Number:
Type of Project:

REFERENCE: Decision Number:
Dated:
Location:
(City,(County), State)

The above referenced Determination did not provide wage rates for the classification(s) listed below which were found to be necessary. Based on the attached supporting documents, the following rates are established.

CLASSIFICATION	WAGE RATE	FRINGE BENEFIT PAYMENT

DATE

Regional Engineer, ROFEC/DHEW

Form FEC 2-3 (7/72)

Exhibit C

DHEW REQUIREMENTS FOR FEDERALLY ASSISTED CONSTRUCTION CONTRACTS REGARDING LABOR STANDARDS AND EQUAL EMPLOYMENT OPPORTUNITY

A. EQUAL OPPORTUNITY

1. During the performance of this contract the contractor agrees as follows:

a. The contractor will not discriminate against any employee or applicant for employment because of race, religion, color, sex or national origin. The contractor will take affirmative action to insure that applicants are employed and that employees are treated during employment without regard to their race, religion, color, sex or national origin. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by an appropriate agency of the Federal Government setting forth the requirements of these nondiscrimination provisions.

b. The contractor will state in all solicitations or advertisements for employees placed by or on behalf of the contractor that all qualified applicants will receive consideration for employment without regard to race, religion, color, sex or national origin.

c. The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding a notice, to be provided by the owner, advising the labor union or workers' representative of the contractor's commitments under Section 202 of Executive Order No. 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

d. The contractor will comply with all provisions of Executive Order No. 11246 of September 24, 1965, and of the rules, regulations and relevant orders of the Secretary of Labor.

e. The contractor will furnish all information and reports required by Executive Order No. 11246 of September 24, 1965, and by the rules, regulations and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by an appropriate agency of the Federal Government and by the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations and orders.

f. In the event of the contractor's noncompliance with the equal opportunity conditions of this contract or with any of such rules, regulations or orders, this contract may be cancelled, terminated or suspended in whole or in part, and the contractor may be declared ineligible for further Government contracts or Federally assisted contracts in accordance with procedures authorized in Executive Order No. 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in said Executive Order, or by rule, regulation or order of the Secretary of Labor, or as otherwise provided by law.

g. The contractor will include all clauses A.1.a. to g. inclusive in every subcontract or purchase order unless exempted by rules, regulations or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order No. 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontractor or vendor as the appropriate agency of the Federal Government may direct as a means of enforcing such provisions, including sanctions for noncompliance, provided, however, that in the event the contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the appropriate agency of the Federal Government, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

2. Exemptions to the requirements of the above Equal Opportunity conditions are construction contracts and subcontracts not exceeding $10,000, and contracts and subcontracts with regard to work performed outside the United States by employees who were not recruited in the United States.

3. Unless otherwise provided, the above Equal Opportunity provisions are not required to be inserted in subcontracts except for subcontracts involving the performance of construction work at the

site of construction, in which case the provisions must be inserted in all subcontracts.

B. CERTIFICATION OF NONSEGREGATED FACILITIES - (Applicable to contracts and subcontracts exceeding $10,000 which are not exempt from the provisions of paragraph A, "Equal Opportunity," of this form)

1. By entering into an agreement related to the work described in the contract documents the contractor or subcontractor certifies that he does not maintain or provide for his employees any segregated facilities at any of his establishments, and that he does not permit his employees to perform their services at any location under his control where segregated facilities are maintained. The contractor or subcontractor further certifies that he will not maintain or provide for his employees any segregated facilities at any of his establishments and that he will not permit his employees to perform their services at any location under his control where segregated facilities are maintained. The contractor or subcontractor agrees that a breach of this certification is a violation of paragraph A, "Equal Opportunity." As used herein, the term "segregated facilities" means any waiting rooms, work areas, rest rooms and washrooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees on the basis of race, creed, color, or national origin, because of habit, local custom, or otherwise. The contractor further agrees that (except where he has obtained identical certifications from proposed subcontractors for specific time periods) he will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding $10,000 which are not exempt from the provisions of paragraph A, "Equal Opportunity," that he will retain such certifications in his files; and that he will forward the following notice to such proposed subcontractors (except where the proposed subcontractors have submitted identical certifications for specific time periods):

"NOTICE TO PROSPECTIVE SUBCONTRACTORS OF REQUIREMENT FOR CERTIFICATIONS OF NONSEGREGATED FACILITIES"

A certification of nonsegregated facilities, as required by the May 9, 1967, order (32 Federal Register 7439, May 19, 1967) on elimination of segregated facilities, by the Secretary of Labor, must be submitted prior to the award of a subcontract exceeding $10,000 which is not exempt from the provisions of paragraph A, "Equal Opportunity." The certification may be submitted either for each subcontract or for all subcontracts during a period, i.e., quarterly, semiannually or annually.

2. The penalty for making false statements in certifications required by paragraph B.1. is prescribed in 18 U.S.C. 1001.

C. PREVAILING WAGES

1. All mechanics and laborers, including apprentices and trainees, employed or working directly upon the site of the work shall be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by the Copeland Regulations (29 CFR Part 3)), the full amounts due at time of payment computed at wage rates not less than the aggregate of the basic hourly rates and the rates of payments, contributions, or costs for any fringe benefits contained in the wage determination decision of the Secretary of Labor, which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor or subcontractor and such laborers and mechanics, including apprentices and trainees, and the wage determination decision shall be posted by the contractor at the site of the work in a prominent place where it can easily be seen by the workers.

2. The contractor may discharge his obligation under paragraph C.1. to workers in any classification of which the wage determination decision contains:

a. Only a basic hourly rate of pay, by making payment not less than such basic hourly rate, except as otherwise provided in the Copeland Regulations (29 CFR Part 3); or

b. Both a basic hourly rate of pay and fringe benefit payments by making payment in cash, by irrevocably making contributions pursuant to a fund, plan or program for and/or by assuming an enforceable commitment to bear the cost of bona fide fringe benefits contemplated by the Davis-Bacon Act, or by any combination thereof. These fringe benefit payments can be discharged only by making contributions to the same type or types of fringe benefits listed in the applicable determination. Contributions made, or costs assumed, on other than a weekly basis shall be considered as having been constructively made or assumed during a weekly period to the extent that they apply to such period. Where a fringe benefit is expressed in a wage determination in any manner other than as an hourly rate and the contractor pays a cash equivalent or provides an alternative fringe benefit, he shall furnish information with his payrolls showing how he determined that the cost incurred to make the cash payment or to provide the alternative fringe benefit is equal to the cost of the wage determination fringe benefit. In the event of disagreement between or among the interested parties as to an equivalent of any fringe benefit, the owner shall submit the question together with his recommendation through the Department of Health, Education, and Welfare to the Secretary of Labor for final determination.

3. The assumption of an enforceable commitment to bear the cost of fringe benefits listed in the wage determination decision forming a part of the contract may be considered as payment of wages only with the approval of the Secretary of Labor pursuant to a written request by the contractor. The Secretary of Labor may require the contractor to set aside assets in a separate account to meet his obligations under any unfunded plan or program.

4. The owner shall require that any class of laborers or mechanics, including apprentices and trainees, which is not listed in the wage determination and which is to be employed under the contract shall be classified or reclassified conformably to the wage determination and a report of the action taken shall be sent to the Department of Health, Education, and Welfare. If the interested parties cannot agree on the proper classification or reclassification of a particular class of laborers or mechanics, including apprentices and trainees, to be used, the owner shall submit the question together with his recommendations through the Department of Health, Education, and Welfare to the Secretary of Labor for final determination.

5. In the event it is found by the owner that any laborer or mechanic, including apprentices and trainees, employed by the contractor or any subcontractor directly on the site of the work has been or is being paid at a rate of wages less than the rate required by subparagraph C.1, the owner may (a) by written notice to the prime contractor terminate his right to proceed with the work, or such part of the work as to which there has been a failure to pay said required wages, and (b) prosecute the work to completion by contract or otherwise, whereupon such contractor and his sureties shall be liable to the owner for any excess costs occasioned the owner thereby.

D. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT–OVERTIME COMPENSATION AND SAFETY STANDARDS (40 U.S.C. 327-330)

1. The contractor shall not require or permit any laborer or mechanic, including apprentices and trainees, in any workweek in which he is employed on any work under this contract to work in excess of 8 hours in any calendar day or in excess of 40 hours in such workweek on work subject to the provisions of the Contract Work Hours and Safety Standards Act unless such laborer or mechanic, including apprentices and trainees, receives compensation at a rate not less than one and one-half times his basic rate of pay for all such hours worked in excess of 8 hours in any calendar day or in excess of 40 hours in such workweek, whichever is the greater number of overtime hours. The "basic rate of pay" as used in this provision shall be the amount paid per hour, exclusive of the contractor's contribution or cost for fringe benefits, and any cash payment made in lieu of providing fringe benefits, or the basic hourly rate contained in the wage determination, whichever is greater.

2. In the event of any violation of the provisions of paragraph D.1, the contractor shall be liable to any affected employee for any amounts due and to the United States for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including apprentices and trainees, employed in violation of the provisions of paragraph D.1, in the sum of $10 for each calendar day on which such employee was required or permitted to be employed on such work in excess of 8 hours or in excess of the standard workweek of 40 hours without payment of the overtime wages required by paragraph D.1.

3. The contractor shall not require or permit any laborer or mechanic, including apprentices and trainees, employed in the performance of this contract to work in surroundings or under conditions which are unsanitary, hazardous, or dangerous to his health as determined under construction safety and health standards promulgated by the Secretary of Labor by regulation (29 CFR Part 1926 (formerly Part 1518) 36 FR 7340, April 17, 1971) pursuant to Section 107 of the Contract Work Hours and Safety Standards Act.

E. APPRENTICES AND TRAINEES

1. Apprentices will be permitted to work as such only when they are registered, individually, under a bona fide apprenticeship program registered with a State apprenticeship agency which is recognized by the Bureau of Apprenticeship and Training, U.S. Department of Labor; or, if no such recognized agency exists in a State, under a program registered with the Bureau of Apprenticeship and Training, U.S. Department of Labor. The allowable ratio of apprentices to journeymen in any craft classification shall not be greater than the ratio permitted to the contractor as to his entire work force under the registered program. Any employee listed on a payroll at an apprentice wage rate, who is not a trainee as defined in paragraph E.2, or is not registered as above, shall be paid the wage rate determined by the Secretary of Labor for the classification of work he actually performed. The contractor or subcontractor will be required to furnish to the owner written evidence of the registration of his program and apprentices as well as of the appropriate ratios and wage rates for the area of construction prior to using any apprentices on the contract work.

2. Trainees will be permitted to work as such when they are bona fide trainees employed pursuant to a program approved by the U.S. Department of Labor, Manpower Administration, Bureau of Apprenticeship and Training and, where paragraph E.3 is applicable, in accordance with the provisions of paragraph E.

3. On contracts in excess of $10,000 the employment of all laborers and mechanics, including apprentices and trainees, shall also be subject to the provisions of paragraph E.

4. The contractor agrees:

a. That he will make a diligent effort to hire for the performance of the contract a number of apprentices or trainees, or both, in each occupation, which bears to the average number of the journeymen in that occupation to be employed in the performance of the contract the applicable ratio as determined by the Secretary of Labor;

b. That he will assure that 25 percent of such apprentices or trainees in each occupation are in their first-year of training, where feasible. Feasibility here involves a consideration of (1) the availability of training opportunities for first-year apprentices; (2) the hazardous nature of the work fo beginning workers; and (3) excessive unemployment of apprentices in their second and subsequent years of training;

c. That during the performance of the contract he will, to the greatest extent possible, employ the number of apprentices or trainees necessary to meet currently the requirements of E.4.a. and E.4.b.

d. To maintain records of employment by trade of the number of apprentices and trainees, apprentices and trainees by first-year of training, and of journeymen, and the wages paid and hours of work of such apprentices, trainees, and journeymen. The contractor agrees to make these records available for inspection upon request of the Department of Labor and/or the Department of Health, Education, and Welfare.

e. The contractor who claims compliance based on the criterion in paragraph E.5.a.(2) agrees to maintain records of employment, as described in paragraph E.4.d., during the performance of this contract in the same labor market area. The contractor agrees to make these records available for inspection upon request of the Department of Labor and the Department of Health, Education, and Welfare.

f. The contractor agrees to supply one copy of the written notices required in accordance with paragraph E.5.a.(3) at the request of Federal agency compliance officers. The contractor also agrees to supply at 3-month intervals during performance of the contract and after completion of contract performance, a statement describing steps taken toward making a diligent effort and containing a breakdown by craft, of hours worked and wages paid for first-year apprentices and trainees, other apprentices and trainees and journeymen. One copy of the statement will be sent to the Department of Health, Education, and Welfare and one to the Secretary of Labor.

g. The contractor agrees to insert in any subcontract under this contract the requirements contained in paragraph E, including the criteria for measuring diligent effort contained in E.5. The term "contractor" as used in such clauses in any subcontract shall mean the subcontractor.

h. The provisions of paragraph E shall not apply with regard to any contract if the Secrery of Health, Education, and Welfare finds it ely that making of the contract with the clauses contained in paragraph E.4. will prejudice the national security.

5. Criteria for Measuring Diligent Effort

a. A contractor will be deemed to have made a "diligent effort" as required by paragraph E.4. if during the performance of his contract he accomplishes at least one of the following three objectives:

(1) The contractor employs on this project a number of apprentices and trainees by craft as required by the contract clauses at least equal to the ratios established in accordance with paragraph E.6.

(2) The contractor employs, on all his public and private construction work combined in the labor market area of this project, an average number of apprentices and trainees by craft as required by the contract clauses, at least equal to the ratios established in accordance with paragraph E.6.

(3) a. Before commencement of work on the project, the contractor if covered by a collective bargaining agreement will give written notice to all joint apprenticeship committees; the local U.S. Employment Security Office; local chapter of the Urban League, Workers Defense League, or other local organization concerned with minority employment; and the Bureau of Apprenticeship and Training Representative, U.S. Department of Labor, for the locality. The contractor if not covered by a collective bargaining agreement will give written notice to all the groups stated above except joint apprenticeship committees; this contractor also will notify all non-joint apprenticeship sponsors in the labor market area.

b. The notice will include at least the contractor's name and address, the job site address, value of contract, expected starting and completion dates, the estimated average number of employees in each occupation to be employed over the duration of the contract, and a statement of his willingness to employ a number of apprentices and trainees at least equal to the ratios established in accordance with paragraph E.6.

c. The contractor must employ all qualified applicants referred to him through normal channels (such as the Employment Service, the Joint Apprenticeship Committees and, where applicable, minority organizations and apprentice outreach programs which have been delegated this function) at least up to the number of such apprentices and trainees required by the applicable provision of paragraph E.6.

6. Determination of Ratios of Apprentices or Trainees to Journeymen

a. The Secretary of Labor has determined that the applicable ratios of apprentices and trainees to journeymen in any occupation shall be as follows:

(1) In any occupation the applicable ratio of apprentices and trainees to journeymen shall be equal to the predominant ratio for the occupation in the area where the construction is to be undertaken, as set forth in collective bargaining agreements, or other employment agreements, and available through the Regional Manager for the Bureau of Apprenticeship and Training for the applicable area.

(2) For any occupation for which no such ratio is found, the ratio of apprentices and trainees to journeymen shall be determined by the contractor in accordance with the recommendations set forth in the standards of the National Joint Apprentice Committee for the occupation, which are filed with the U.S. Department of Labor's Bureau of Apprenticeship and Training.

(3) For any occupation for which no such recommendations are found, the ratio of apprentices and trainees to journeymen shall be at least one apprentice or trainee for every five journeymen.

7. Variations, Tolerances, and Exemptions

a. Variations, tolerances and exemptions from any requirement of this part with respect to any contract or subcontract may be granted when such action is necessary and proper in the public interest, or to prevent injustice or undue hardship. A request for a variation, tolerance, or exemption may be made in writing by any interested person to the Department of Health, Education, and Welfare.

8. Enforcement

a. The Department of Health, Education, and Welfare shall insure that the contract clauses required by HEW-514, paragraph E, are inserted in every Federally assisted construction contract subject thereto. The Department of Health, Education, and Welfare shall also promulgate regulations and procedures necessary to insure that contracts for the construction work subject to HEW-514, paragraph E, will contain the clauses required thereby.

b. Enforcement activities, including the investigation of complaints of violations to assure compliance with the requirements of this part, shall be the primary duty of the Department of Health, Education, and Welfare. The Department of Labor will coordinate its efforts with the Department of Health, Education, and Welfare as may be necessary to assure consistent enforcement of the requirements of this part.

F. PAYROLLS AND BASIC RECORDS

1. The contractor shall maintain payrolls and basic records relating thereto during the course of the work and shall preserve them for a period of three years thereafter for all laborers and mechanics, including apprentices and trainees, working at the site of the work. Such records shall contain the name and address of each employee, his correct classification, rate of pay (including rates of contributions for, or costs assumed to provide, fringe benefits), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the contractor has obtained approval from the Secretary of Labor as provided in paragraph C.3, he shall maintain records which show the commitment, its approval, written communication of the plan or program to the laborers or mechanics, including apprentices and trainees, and the costs anticipated or incurred under the plan or program.

2. The contractor shall submit weekly a copy of all payrolls to the owner. The prime contractor shall be responsible for the submission of copies of payrolls of all subcontractors. Each such copy shall be accompanied by a statement signed by the contractor indicating that the payrolls are correct and complete, that the wage rates contained therein are not less than those determined by the Secretary of Labor, and that the classifications set forth for each laborer or mechanic, including apprentices and trainees, conform with the work he performed. Submission of the "Weekly Statement of Compliance" required under this contract and the Copeland Regulations of the Secretary of Labor (29 CFR, Part 3) shall satisfy the requirement for submission of the above statement. The contractor shall submit also a copy of any approval by the Secretary of Labor with respect to fringe benefits which is required by paragraph C.3.

3. The contractor shall make the records required under paragraph F.1 and F.2 available for inspection by authorized representatives of the owner, the State, the Department of Health, Education, and Welfare, and the U.S. Department of Labor, and shall permit such representatives to interview employees during working hours on the job.

G. COMPLIANCE WITH COPELAND REGULATIONS

1. The contractor shall comply with the Copeland Regulations of the Secretary of Labor (29 CFR, Part 3) which are incorporated herein by reference. In addition, the Weekly Statement of Compliance required by these regulations shall also contain a statement that the fringe benefits paid are equal to or greater than those set forth in the minimum wage decision.

H. WITHHOLDING OF FUNDS

1. The owner may withhold or cause to be withheld from the prime contractor so much of the accrued payments or advances as may be considered necessary (a) to pay the laborers and mechanics, including apprentices and trainees, employed by the contractor or any subcontractor on the work the full amount of wages required by the contract, and (b) to satisfy any liability of any contractor for liquidated damages under paragraph D hereof entitled "Contract Work Hours and Safety Standards Act–Overtime Compensation and Safety Standards (40 U.S.C. 327-330)."

2. If the contractor or any subcontractor fails to pay any laborer or mechanic, including apprentices and trainees, employed or working on the site of the work, all or part of the wages required by the contract, the owner may after written notice to the prime contractor take such action as may be necessary to cause suspension of any further payments or advances until such violations have ceased.

I. SUBCONTRACTS

1. The contractor will insert in all subcontracts, paragraph C through J inclusive, respectively entitled "Prevailing Wages." "Contract Work Hours and Safety Standards Act–Overtime Compensation and Safety Standards (40 U.S.C. 327-330)," "Apprentices and Trainees," "Payrolls and Basic Records,"

"Compliance with Copeland Regulations," "Withholding of Funds," "Subcontracts," and "Contract Termination–Debarment," and shall further require all subcontractors to incorporate physically these same paragraphs in all subcontracts.

2. The term "contractor" as used in such paragraphs in any subcontract shall be deemed to refer to the subcontractor except when the phrase "prime contractor" is used.

J. CONTRACT TERMINATION–DEBARMENT

1. A breach of paragraphs C through I inclusive, respectively entitled "Prevailing Wages," "Contract Work Hours and Safety Standards Act–Overtime Compensation and Safety Standards (40 U.S.C. 327-330)," "Apprentices and Trainees," "Payrolls and Basic Records," "Compliance with Copeland Regulations," "Withholding of Funds," and "Subcontracts," may be grounds for termination of the contract and for debarment as provided in 29 CFR 5.6.

U. S. DEPARTMENT OF LABOR
EMPLOYMENT STANDARDS ADMINISTRATION

REQUEST FOR DETERMINATION AND RESPONSE TO REQUEST

(Davis Bacon Act as Amended and Related Statutes)

FOR DEPARTMENT OF LABOR USE

Response To Request

a. ☐ Use area determination issued for this area

____

____

b. ☐ The attached decision noted below is applicable to this project

Decision Number

Date of Decision

Expires

Supersedes Decision Number

Approved

Requesting Officer (typed name and signature)

Department, Agency, or Bureau

Phone Number

Date of Request

Est. Advertising Date

Est. Bid Opening Date

Prior Decision Number (if any)

Est. $ Value of Contract
☐ Under ½ Mil. ☐ 1 to 5 Mil.
☐ ½ to 1 Mil. ☐ Over 5 Mil.

Type of Work
☐ Bldg. ☐ Highway
☐ Resid. ☐ Heavy

Location of Project (city or other description)

County

State

Address to which wage determination should be mailed. Must be complete and include ZIP Code. (Print or type)

Wage Survey by Agency Attached
☐ YES ☐ NO

Wage Survey by Agency in Progress
☐ YES ☐ NO

Description of Work (Be specific) (Print or type)

CHECK OR LIST CRAFTS NEEDED
(Attach continuation sheet if needed)

___ Asbestos workers
___ Boilermakers
___ Bricklayers
___ Carpenters
___ Cement masons
___ Electricians
___ Glaziers
___ Ironworkers
___ Laborers, *(specify classes)*
___ ____________________
___ ____________________
___ ____________________
___ ____________________
___ ____________________
___ Lathers
___ Marble & tile setters, terrazzo workers
___ Painters
___ Piledrivermen
___ Plasterers
___ Plumbers
___ Roofers
___ Sheet metal workers
___ Soft floor layers
___ Steamfitters
___ Welders--rate for craft
___ Truck drivers
___ Power equipment operators, *(specify types)*
___ ____________________
___ ____________________
___ ____________________
___ ____________________

Other crafts
___ ____________________
___ ____________________

(THIS REPLACES FORMS DB-11 & DB-11a)

GPO : 1972 O - 471-927

STANDARD FORM- 308 JUNE 1972
U.S. DEPARTMENT OF LABOR
(29 CFR) Subtitle A, Part 5

WISCONSIN BOARD OF VOCATIONAL, TECHNICAL AND ADULT EDUCATION
Eugene Lehrmann, Director
Madison, Wisconsin 53703

To Be Used on All Federally Funded Projects

CERTIFICATION OF NONSEGREGATED FACILITIES

The contractor certifies that he does not maintain or provide for his employees any segregated facilities at any of his establishments, and that he does not permit his employees to perform their services at any location, under his control, where segregated facilities are maintained. The contractor certifies further that he will not maintain or provide for his employees any segregated facilities at any of his establishments, and that he will not permit his employees to perform their services at any location, under his control, where segregated facilities are maintained. The contractor agrees that a breach of this certification is a violation of the Equal Opportunity clause in this contract. As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, rest rooms and wash rooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, creed, color, or national origin, because of habit, local custom, or otherwise. The contractor agrees that (except where he has obtained identical certifications from proposed subcontractors for specific time periods) he will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding $10,000 which are not exempt from the provisions of the Equal Opportunity clause, and that he will retain such certifications in his files.

____
Contractor

CHECKLIST FOR APPLICANT (Local School)

A. PRELIMINARY PROCEDURE

1. Applicant, with the possible advice of prospective contractors or architects, indicates or lists Fed. #308 form Request for Determination, the crafts which are anticipated to be employed in the construction project.

2. Applicant submits #308 to State Board for transmittal through the Finance and Contract Advisory Service, U. S. Office of Education, to the Department of Labor at least six weeks before date of bid advertising. Copies of the Wage Determination (308) will be transmitted from the Department of Labor through the U. S. Office of Education and the State Board to the applicant.

   When appropriate, the 308 shall be accompanied by a report requesting a determination of the Secretary of Labor regarding the cash equivalent of a fringe benefit and the inclusion of a fringe benefit in the wage determination rate.

3. Applicant includes wage determination in specifications for prospective bidders, so that they are able to use this information to complete bid proposals for construction prior to the awarding of the contract by the applicant.

4. Applicant makes certain that contract clauses relating to labor standards are included in the contract.

5. When necessary, after the wage determination has been received, the applicant shall submit to the State Board for transmittal through the U. S. Office of Education to the Secretary of Labor concerning the employment by the contractor of laborers and mechanics not covered in the wage determination.

B. PROCEDURE FOR COMPLIANCE

1. Applicant makes certain that contractor has posted the wage rate determination in a prominent place at the work so that it can easily be seen by the workers.

2. Applicant obtains from contractor weekly copies of all payrolls and a Weekly Statement of Compliance.

With respect to the above, applicant assumes the following responsibility:

(a) Examining copies of payrolls and statements to determine compliance.

(b) Submitting certification to State Board for vocational education indicating that the above has been received, examined, and found to be in good order; and that copies are being retained on file.

(c) Keeping copies of the above file for three years from date of completion of contract. Such copies shall be available for inspection by authorized representatives of State and Federal agencies.

3. Representatives of the applicant shall make such interviews on the job or such other on-site investigations as may be necessary to determine that the contractors and subcontractors are complying with the contract clauses.

4. Procedure in event of noncompliance by contractor.

(a) The applicant gives written notice to the contractor or subcontractor.

(b) If, after written notice, the contractor fails or refuses to comply, or fails to make the restitution or pay the liquidated damages required, the applicant either withholds advances, guarantees, and payments or terminates the contract.

5. Adjustment of liquidated damages.

Whenever the applicant finds that an amount of liquidated damages determined to be due for a violation of overtime requirements is incorrect or that the violation of the contractor or subcontractor was inadvertent, the applicant submits to the State Board for transmission to the U. S. Office of Education a written report recommending that an appropriate adjustment of liquidated damages be made or that the contractor or subcontractor be relieved of liability for such liquidated damages.

C. PROCEDURE FOR REPORTING

1. Reports of contract violations.

If underpayments by contractor or subcontractor in violation of the contract are aggravated (Total $500 or more) or willful, the applicant submits to the State Board for transmission through the U. S. Office of Education to the Secretary of Labor a noncompliance report.

2. **Periodic reports.**

The applicant submits to the State Board at such intervals as the State Board may determine reports containing information necessary for the State agency to submit semi-annual reports.

CHECKLIST FOR STATE BOARD

NOTE: If the State Board undertakes the construction of area vocational education school facilities to be administered directly by the State Board, the State Board, in this instance, functions as an applicant, and therefore should follow the procedure outlined in the Checklist for Applicant (see Appendix F of the Bulletin).

A. Liaison Functions

1. State Board forwards immediately, upon receipt from the applicant, 308 Form, Request for Determination, to U. S. Office of Education - Chicago.

   State Board also forwards with 308 Form any reports or requests for determination of the Secretary of Labor submitted by the applicant and contractor as required in contract clauses.

2. State Board receives from applicant the noncompliance report and forwards same to the Finance and Contract Advisory Service, U. S. Office of Education - Chicago.

3. State Board receives from applicant the periodic enforcement report and forwards same to the Finance and Contract Advisory Service, U. S. Office of Education - Chicago.

4. State Board receives from applicant report recommending adjustment of liquidated damages and forwards same to the Finance and Contract Advisory Service, U. S. Office of Education. In turn, State Board transmits to applicant wage determination information from the U. S. Office of Education or Secretary of Labor when received.

5. State Board receives and transmits to the Finance and Contract Adivsory Service, U. S. Office of Education, all requests for determination by the Secretary not referred to above and all appeals or requests for review.

B. Supervisory Functions

1. State Board makes certain that applicant is exercising his responsibilities with respect to the following:

   (a) Including wage determination and the clauses to all contracts with contractors and subcontractors.

(b) Posting of wage determination at site of project.

(c) Receiving, examining, and filing copies of payrolls from contractors and subcontractors.

(d) Making on-the-job interviews and other on-site inspection.

C. Compliance Functions

1. State Board insures compliance with required labor standards by utilizing such procedures as the following:

   (a) Requiring reports from applicant. (This would include certification that reports are in good order.)

   (b) Making periodic on-site inspections of federally assisted area vocational education school projects in the State.

CHECKLIST FOR CONTRACTOR

The items in this checklist summarize the contractor's duties required in the clauses to be inserted in all construction contracts with the applicant.

All of the items apply to both the general contractor who receives the contract award from the applicant and all of his subcontractors except that in the case of item 4 subcontractors shall submit weekly copies of all payrolls and a Weekly Statement of Compliance to the general contractor rather than to the applicant. The general contractor shall be initially responsible for seeing that all subcontractors comply with the requirements set forth below.

1. Contractor pays wages to his employees in accordance with (a) the wages determination decision of the Secretary of Labor, (b) the Copeland Act regulations, and (c) the statutory overtime requirements. In certain cases where the contractor desires to include certain types of fringe benefits in his wage rates or desires to employ persons of a class not included in the wage determination, the contractor is required to reach agreement with the applicant, the State Board, and the U. S. Office of Education, or obtain a determination from the Secretary of Labor approving the contractor's action.

2. Contractor posts the wage rate determination of the Secretary of Labor in a prominent place at the work site so that it can easily be seen by the workers.

3. Contractor maintains payrolls and payroll records during the period of the contract and three years thereafter for all employees working under the contract.

4. Contractor submits to the applicant weekly copies of all payrolls and a Weekly Statement of Compliance for his own employees and those of all subcontractors.

5. Contractor makes available all employee records required under the contract for inspection by representatives of the applicant, the State Board, the U. S. Office of Education, and the Department of Labor.

6. Contractor permits representatives of the applicant, the State Board, the U. S. Office of Education, and the Department of Labor to interview employees during working hours on the job.

7. Contractors use only an allowable ratio of registered apprentices on the construction project in accordance with the contract. Before apprentices are used, the contractor furnishes to the applicant written evidence of the registration of the program and apprentices as well as the appropriate apprentice ratios and wage rates.

8. Contractor inserts in any subcontract all contract clauses, including a clause that each subcontractor shall insert similar clauses in all lower tier subcontracts.

WEEKLY STATEMENT OF COMPLIANCE

Date ________________, 19__

I, __________________________, __________ do hereby state:
(Name of signatory party) (Title)

(1) That I pay or supervise the payment of the persons employed by ______________________________ on the ______________
(Contractor or subcontractor) (Building or work)
________________________; that during the payroll period commencing on the __________ day of ____________, 19___, and ending on the __________ day of ______________, 19___, all persons employed on said project have been paid the full weekly wages earned, that no rebates have been or will be made either directly or indirectly to or on behalf of said ______________________________ from the full weekly wages earned
(Contractor or subcontractor)
by any person and that no deductions have been made either directly or indirectly from the full wages earned by any person, other than permissible deductions.

(2) That any payrolls otherwise under this contract required to be submitted for the above period are correct and complete; that the wage rates for laborers or mechanics contained therein are not less than the applicable wage rates contained in any wage determination incorporated into the contract; that the classifications set forth therein for each laborer or mechanic conform with the work he performed.

(3) That any apprentices employed in the above period are duly registered in a bona fide apprenticeship program registered with a State apprenticeship agency recognized by the (Bureau of Apprenticeship and Training) United States Department of Labor, or if no such recognized agency exists in a State, are registered with the Bureau of Apprenticeship and Training, United States Department of Labor.

Date ____________________ ______________________________
(Signature and Title)

WISCONSIN BOARD OF VOCATIONAL, TECHNICAL AND ADULT EDUCATION
Madison, Wisconsin 53703
E. I. Lehrmann, Director

SUBJECT: ROUTINE LABOR RELATIONS INTERVIEW

Project Name and Location

1. Contractor or subcontractor (employer)

2. Contract No.

EMPLOYEE STATEMENTS

3. Name and Badge Number (if any)

4. Address

5\.
Work Classification(s) ---------------:---------------------:-------------
Wage Rate(s) Received ---------------:---------------------:-------------
(If apprentice, give period of training)

6. Have you seen the posted minimum wage rates for this job? ☐ yes ☐ no

7. Are you paid at least time and one half for all hours worked in excess of eight in one work day? ☐ yes ☐ no

8. Are you paid your full wages regularly each week without any deductions other than Social Security and Income Tax? ☐ yes ☐ no

9. Have you done work which you believe you should have been paid for at a higher rate? I.E. have you been misclassified? ☐ yes ☐ no

10. How many hours did you work on your last work day before this interview? What date was that?

11. Additional Comments

Interviewer's Comments

12. Work employee was performing when interviewed.

13. Other pertinent comments

Date	Time	Title of interviewer	Signature of interviewer

For use of Payroll Checker

14. Is above information in agreement with payroll data? ☐ yes ☐ no

15. Additional Comments

Date of Check	Title	Signature

WEEKLY PAYROLL FOR ______________________________
CONTRACTOR'S NAME ADDRESS

NAME OF PROJECT ______________________________

WEEK OF ____________ 19 ___ TO ____________ 19 ___
DATE DATE

PROJECT NO. ______________________________

No.	EMPLOYEE	TRADE	HOURS WORKED								TOTAL HOURS	RATE	GROSS PAY	WAGES WITHHELD						TOTAL WITHHELD	NET PAY
			DATE																		
			DAY	S	M	T	W	T	F	S				S.S.	FED.	State					
			OVERTIME																		
			REGULAR																		
			OVERTIME																		
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			REGULAR																		
			OVERTIME																		
			REGULAR																		

This is to certify that this payroll is an exact copy of the overall payroll on file in our office for the above period & includes the above project & that all State. Local and Federal Laws, Rules & Regulations have been complied with.

Date ______________________

____
Signed title

VE-AD 86

WISCONSIN BOARD OF VOCATIONAL, TECHNICAL AND ADULT EDUCATION
Madison, Wisconsin 53703
E. I. Lehrmann, Director

SUBJECT: SUGGESTED GUIDELINE BIDDERS PROOF OF RESPONSIBILITY

Name ____

Business Address ____
STREET CITY ZONE STATE

STATEMENT AS OF ____________, 19____

Cash	$	Notes payable	
Deposits with bids		a. To banks regular	$
Accounts receivable completed contracts		b. To banks for certified checks	
Earned estimate and retainage on uncompleted contracts shown by engineers' or architects' estimates		c. To material men	
		d. To others (Exclusive of Equipment)	
		Accounts payable	
Other accounts receivable		a. Sub-contractors and material men	
Stocks and bonds		b. Sub-contractors-retainage	
Notes receivable		c. Others	
Materials		Accrued payrolls	
Life insurance-cash value		Federal income taxes	
Other current assets (Explain)		Other accrued taxes, interest, etc.	
		Encumbrance on equipment	
		Other current liabilities (Explain)	
Total current assets	$	Total current liabilities	$
Equipment at book value		Encumbrance on real estate	
Real estate		All other liabilities (Explain)	
All other assets (Explain)			
		Reserves (Specify)	
		Capital stock (Paid up)	
		Surplus & undivided profit or net worth	
Total assets	$	Total liabilities	$

STATEMENT OF EARNINGS

For period beginning ____________, 19________, and ending ____________, 19________

Gross income from contract work ______________________ $__________

Gross income from all other sources ______________________ $__________

TOTAL INCOME $__________

Expenses of conducting business including rents, insurance, etc. ....

$__________

Salaries to officers or partners .... $__________

Dividends paid during year .... $__________

Federal taxes actually paid during year .... $__________

Reserve for federal taxes for current year .... $__________

TOTAL EXPENSES .... $__________

NET PROFIT OR LOSS .... $

1. Number of years in contracting business under present name ____________________.

2. Single owner __________ Partnership __________ Corporation __________

3. Have you ever defaulted or failed to complete a contract. ____________________.
If so, explain on separate sheet.

4. Name, background and experience of officers and principal numbers of personnel.
   a.
   b.
   c.
   d.

5. Contracts on hand – name, gross amount and percent complete of each.
   a.
   b.
   c.
   d.

6. List of public works structures completed by your firm in last 5 years.
   a.
   b.
   c.
   d.

7. List of other structures completed by your firm in last 5 years.
   a.
   b.
   c.
   d.

8. List your major equipment.

a.	e.
b.	f.
c.	g.
d.	h.

9. Credit available – provide letters from bank and principal suppliers. If insufficient space is provided for answers to 3, 4, 5, 6, 7, and 8, attach additional sheets on which this information is given.

IF INDIVIDUAL Sign Here

____

Subscribed and sworn before me

this ______ day of ________, 19___

____
NOTARY PUBLIC

IF CO-PARTNERSHIP Sign Here

____
NAME OF FIRM

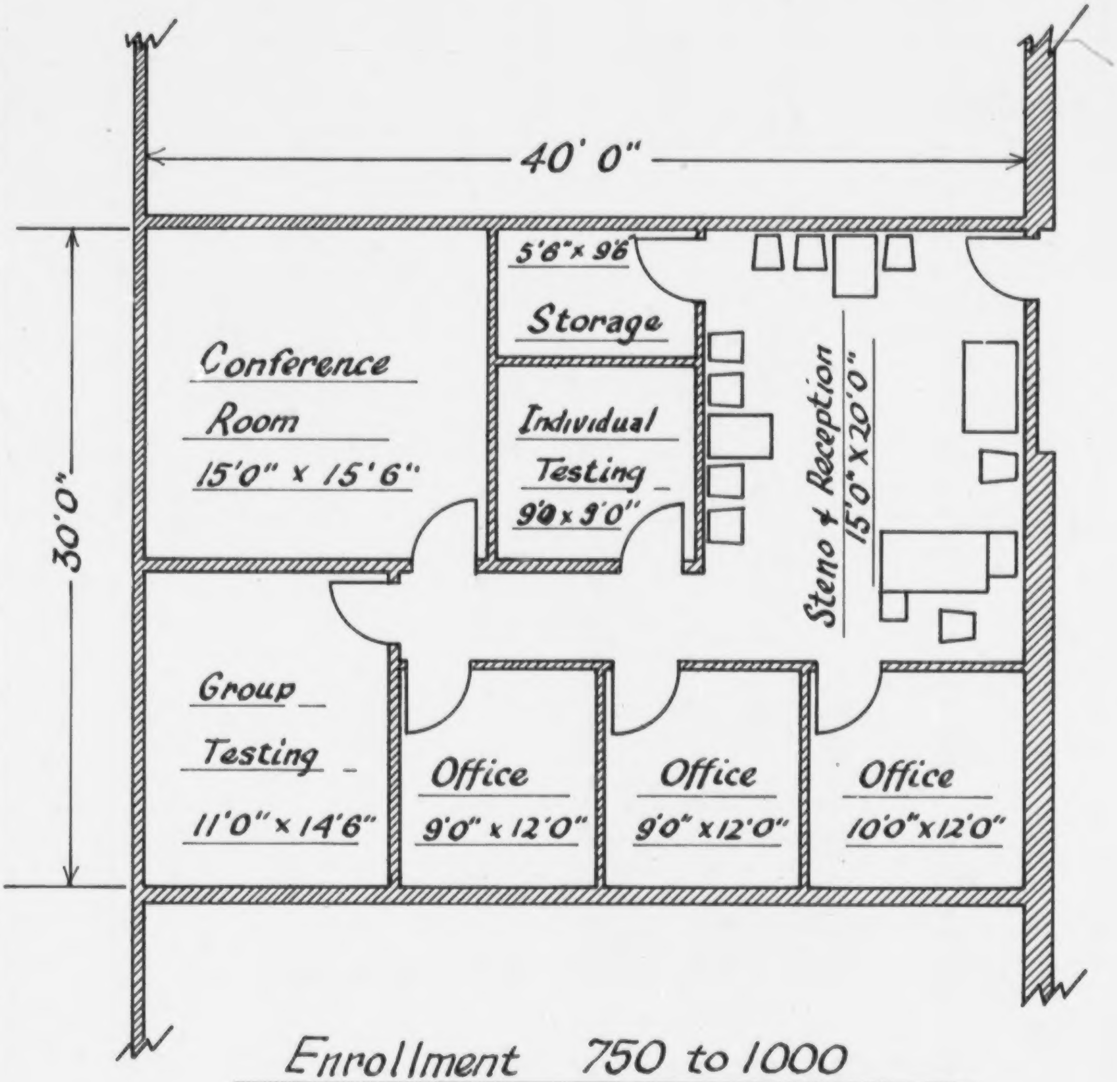
By ____________________

IF CORPORATION Sign Here

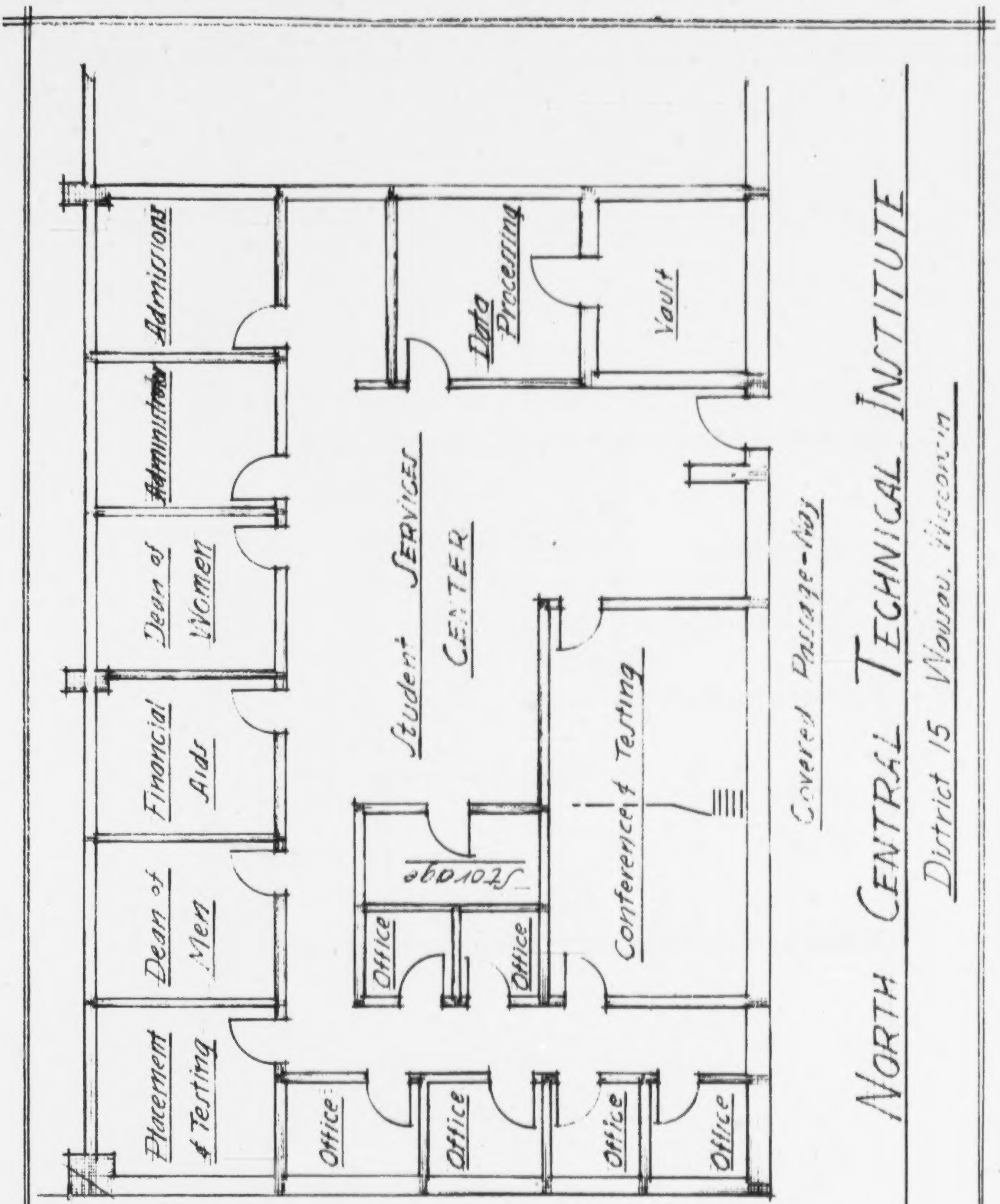
____
NAME OF CORPORATION

By ____________________

Suggested Guideline for Guidance and Testing


40' 0"
30'0"
5'6" x 9'6"
Storage
Conference
Room
15'0" x 15'6"
Individual
Testing
9'0 x 9'0"
Steno & Reception
15'0" X 20'0"
HALL
Group
Testing
11'0" x 14'6"
Office
9'0" x 12'0"
Office
9'0" x 12'0"
Office
10'0" x 12'0"

Enrollment 750 to 1000
Size to Local Needs


NORTH CENTRAL TECHNICAL INSTITUTE
District 15 Wausau, Wisconsin
Student Services Center
Admissions
Administrator
Dean of Women
Financial Aids
Dean of Men
Placement & Testing
Office
Office
Office
Office
Office
Office
Storage
Conference & Testing
Data Processing
Vault
Covered Passage-Way
Covered Passage-Way

WISCONSIN BOARD OF VOCATIONAL, TECHNICAL AND ADULT EDUCATION
Madison, Wisconsin 53703

CONSTRUCTION CONTRACT

This AGREEMENT is made and entered into this __________day of __________ 19___A.D. by and between the District Board of Vocational, Technical and Adult Education District____, with offices in the City of ______________, Wisconsin, party of the first part (hereinafter designated as District Board), and the Wisconsin Board of Vocational, Technical and Adult Education, party of the second part (hereinafter designated as Wisconsin Board).

WITNESSETH, that the said District Board in consideration of the fulfillment of the agreement herein made by the Wisconsin Board agrees with the said Wisconsin Board, as follows:

ARTICLE 1. The District Board under the direction and subject to the approval of the Wisconsin Board will cause to be erected, constructed, and completed according to and pursuant to plans and specifications prepared by the Area Board and approved by the Wisconsin Board, a new structure, an addition to an existing structure, or the remodeling of an existing structure known as__________ ____in the City of______________, County of__________________________________, State of Wisconsin.

ARTICLE 2. District Board agrees to cause legal construction contracts to be entered into for the erection, addition and/or remodeling of such facility conforming and subject to all local, state and federal laws, rules and regulations applicable to the construction, bidding, bonding and contract provisions relating thereto.

ARTICLE 3. No alterations shall be made in the work as shown or described by the drawings and specifications, except when authorized by a written change order issued by the District Board and approved by the Wisconsin Board, which order shall recite that the change has been recommended by the architect and that the change is required so as to facilitate an economical use of available monies, materials, and space. When so made, the cost of the work added or omitted shall be computed by the District Board and the amount so ascertained, subject to approval of the Wisconsin Board as reasonable shall be added to or deducted from the contract price.

ARTICLE 4. Representatives of the Wisconsin Board or the U. S. Office of Education and such other persons as the State Director or the Commissioner of the U. S. Office of Education may designate, will have access at reasonable times to the project wherever it is in preparation or progress and the District Board shall provide for such access and inspection and any proper or necessary facilities therefore.

ARTICLE 5. The District Board shall certify and give assurance to the Wisconsin Board that sufficient funds are available to meet the area share of the cost of such project and that when completed sufficient funds will be made available for effective use and operation of the facility for the purpose for which it is being constructed.

ARTICLE 6. The District Board is subject to and shall be bound by all State and Federal Laws, Rules, Orders and Regulations now in effect or that may be enacted, all as set forth by Federal Regulations and outlined in the State Guideline entitled "Guidelines for Realistic Facility Planning for Schools of Vocational, Technical and Adult Education," "The Wisconsin State Plan for Vocational Education," and other directives applicable to the use of Federal vocational education funds.

ARTICLE 7. The District Board shall be bound to aid the Wisconsin Board in the keeping of payroll records and submitting federal reports as required by the Federal Regulations.

ARTICLE 8. The District Board will give assurance that the Wisconsin Board and Federal interest in the facility and in the land on which the facility is located will be sufficient to insure undisturbed use and possession for the purpose of construction and operation of the school facility covered in this project during the expected usable life of such facility and when discontinued or sold that the prorated Wisconsin Board or Federal interest will be returned.

ARTICLE 9. It is hereby mutually agreed between the parties that the amount which the Wisconsin Board shall cause to be paid under this contract to the District Board from federal funds for labor, material, and architectural and engineering fees on the covered project shall not exceed____, $________________, and payments shall be made monthly on certification by the District Board and the architect while the work is in progress.

ARTICLE 10. This agreement incorporates herein and is subject to all statutes, laws, rules, orders, regulations, and directives of the State of Wisconsin or the United States of America relating to or applicable to the project covered by this contract.

ARTICLE 11. Acceptance of this authorization signifies full compliance with Title VI of the Civil Rights Act of 1964 "....to the end that no person in the United States shall, on the ground of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity...." administered by the Wisconsin Board of Vocational, Technical and Adult Education.

IN WITNESS WHEREOF, the parties of these present have hereunto set their hands and seals this________________________day of____________________19____A.D.

WITNESSES

____

____

WISCONSIN BOARD OF VOCATIONAL, TECHNICAL
AND ADULT EDUCATION

By______________________________________
STATE DIRECTOR

WITNESSES

____

____

BOARD OF VOCATIONAL, TECHNICAL AND
ADULT EDUCATION DISTRICT ____

By______________________________________
President

By______________________________________
Secretary

EXECUTIVE ORDER NO. 16

APPRENTICES ON STATE CONSTRUCTION PROJECTS

I hereby ask the heads of all state government agencies to include a clause in construction contracts that will require the employment of apprentices on such projects and that, where possible, up to 25% of the apprentices on each project be in their first year of training. Also, where possible, the number of apprentices employed shall be the maximum permitted in accordance with established ratios.

Policy

In order to promote the full realization of apprenticeship opportunities on state and state-assisted construction projects, it is the policy of the state government that no contracts or subcontracts shall be awarded for state or state-assisted construction projects in Wisconsin, unless the bidder agrees to an acceptable apprenticeship program which includes specific ratios of apprentices in skilled trades which have been determined as apprenticeable by the Department of Industry, Labor and Human Relations.

Requirements

The ratio of apprentices to journeymen, in each skilled trade classification required on the project at all times shall be as established by the Department of Industry, Labor and Human Relations. Where possible, twenty-five (25) percent of all apprentices employed on the contract should be in their first year of training as defined by the Department of Industry, Labor and Human Relations.

Definition

Apprentice--a person indentured under Chapter 106 of the State Laws of Wisconsin.

Invitation for Bids or Other Solicitations for Bids

Each state agency shall include in the invitation for bids, or other solicitation used for a state-involved construction contract, a notice stating that to be eligible for award, each bidder will be required to agree to employ apprentices in accordance with the ratio of apprentices to journeymen established by the Department of Industry, Labor and Human Relations whether or not the work is subcontracted. The form of such notice shall be substantially similar to the one attached as Appendix A to this Order.

Post-Award Compliance

The Department of Industry, Labor and Human Relations shall review contractors' and subcontractors' training programs with respect to the ratio of apprentices to journeymen employed on the project during performance of the contract.

The Department of Industry, Labor and Human Relations shall review the training programs with respect to meeting and maintaining an acceptable quality of training. If the established ratio of apprentices to journeymen applicable to the contract are being met, the contractor or subcontractor will be presumed to be in compliance with this regulation. In the event of failure to meet these ratios, the contractor shall be given an opportunity to demonstrate that he made every good faith effort to meet his commitment. Such noncompliance by the contractor or subcontractor shall be taken into consideration by state agencies in determining whether such contractor or subcontractor can comply with this regulation and is therefore a "reasonable prospective contractor".

Exemptions and Modifications

Reasonable exemptions and modifications to and from any or all requirements of this regulation may be made with respect to any specific contract or subcontract upon grounds of undue hardship, inequity, and when special circumstances in the local public interest, or local or areawide employment situation so require. A request for an exemption or modification, with justification, be made in writing, addressed to Department of Industry, Labor and Human Relations, P. O. Box 2209, Madison, Wisconsin 53701.

Effective Date

The provisions of this Order will be effective with respect to transactions for which the invitations for bids or other solicitations for bids are sent on or after June 1, 1971.

IN TESTIMONY WHEREOF, I have
hereunto set my hand and
caused the Great Seal of
the State of Wisconsin to
be affixed. Done at the
Capitol in the City of
Madison this ______ day of
May in the year of our Lord
one thousand nine hundred
and seventy-one.

PATRICK J. LUCEY
Governor

BY THE GOVERNOR:

SECRETARY OF STATE

APPENDIX A

State Agency Heads shall cause or require to be incorporated in the specification for any contract the following clause, or a simil one, that may be worked out if first approved by the Department of Industry, Labor and Human Relations:

> "The contractor agrees that in the performance of this contract or in the performance of all subcontracts entered into by him, apprentices will be employed in accordance with the maximum ratio of apprentices to journeymen established by the Department of Industry, Labor and Human Relations in accordance with the attached Executive Order.

WISCONSIN BOARD OF VOCATIONAL, TECHNICAL AND ADULT EDUCATION
Madison. Wisconsin 53703
E. I. Lehrmann, Director

SUBJECT: SUGGESTED SAMPLE CONSTRUCTION CONTRACT

CONSTRUCTION CONTRACT

THIS AGREEMENT made and entered into this day of A.D. by and between of , party of the first part (hereinafter designated as contractor); and School District Board of Education, (or Board of Trustees) party of the second part (hereinafter designated as Owner.)

WITNESSETH, that the said contractor in consideration of the fulfillment of the agreement herein made by the Owner, agrees with the said Owner, as follows:

ARTICLE 1. The contractor under the direction and to the satisfaction of the Owner shall and will provide all material and perform all work mentioned in the specifications or shown on the drawings as prepared by said Owner for the construction and completion of

all according to drawings, specifications,
and form of proposal, which drawings, specifications,
and form of proposal are made a part of this contract.

The Owner reserves the right to accept any Alternates or Substitutions bid upon provided such action is taken in sufficient time so as not to delay the progress of the work or incur additional expense to the Contractor.

ARTICLE 2. The Owner shall furnish the contractor such further drawings or explanations as may be necessary to detail and illustrate the work to be done and the contractor shall conform to the same as a part of the contract so far as they may be consistent with the original drawings and specifications referred to and identified as provided in ARTICLE 1. It is mutually understood and agreed that all drawings and specifications are and remain the property of the Owner.

ARTICLE 3. No alterations shall be made in the work shown or described by the drawings and specifications, except when authorized by a written change order issued by the Owner, which order shall recite that the change has been recommended by the architect and that the change is required so as to facilitate an economical use of available monies, materials, and space. When so made, the value of the work added or omitted shall be computed by the Owner and the amount so ascertained shall be added to or deducted from the contract price.

ARTICLE 4. The contractor shall provide sufficient, safe and proper facilities at all times for the inspection of the work by the Owner, or its authorized representative. He shall, within twenty-four hours after receiving written notice from the Owner to that effect, remove from the grounds or buildings, all materials condemned by the Owner, whether worked or unworked, and to take down all portions of the work which the Owner shall by like written notice condemn as unsound, improper or as in any way failing to conform to the drawings and specifications.

ARTICLE 5. Should the contractor at any time refuse or fail to supply sufficient properly skilled workmen, or sufficient materials of proper quality, or fail in any respect to prosecute the work with promptness and diligence, or fail in the performance of any of the covenants contained in the contract, the Owner shall give written notice to the contractor and to the contractor's surety of such failure or refusal. If the contractor does not immediately remedy such failure, the surety shall have the right to complete the performance within five days after the date the notice of failure was served on the contractor and the surety, then the Owner may terminate the contract, and enter upon the premises and take possession for the purpose of completing the work called for by this contact either by force account or by contract, and the contractor together with his surety shall be liable to the Owner for any additional and excess costs occasioned the owner by the failure of the contractor to perform. In case of such termination of the contract and discontinuance of the employment of the contractor, he shall not be entitled to receive any further payment under this contract.

ARTICLE 6 (1) Minimum wages. (a) All mechanics and laborers employed by contractors and subcontractors performing work under this contract will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by the regulations issued by the Secretary of Labor under the Copeland Act (29 CFR Part 3), the full amounts due at time of payment computed at wage rates not less than the rate determined by the Michigan Minimum Wage Law Act 154, Public Acts of 1964, which is attached hereto and made a part hereof, regardless of any contracutal relationship which may be alleged to exist between the contractor and such laborers and mechanics; and the wage determination decision shall be posted by the contractor at the site of the work in a prominent place where it can be easily seen by the workers. For the purpose of this clause, contributions made or costs reasonably anticipated under section 1 (b) (2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers and mechanics, subject to the provisions of subparagraph (d) of this paragraph. Also for the purpose of this clause, regular contributions made or costs incurred for more than a weekly period under plans, funds, or programs, but covering the particular weekly period, are deemed to be constructively made or incurred during such weekly period.

(b) If, after the award of the contract, the contractor employs any person in a class of laborers or mechanics which is not listed in the wage determination, such person shall be classified or reclassified conformably to the wage determination, and a report of the action taken shall be sent by the contractor and the owner through the Division of Vocational Education, State Department of Public Instruction to Department of Health, Education, and Welfare, for transmission to the Secretary of Labor. The contractor shall notify the owner of his intention to employ persons in classes not so classified in sufficient time to obtain approved rates for such classes. In the event the interested parties cannot agree on the proper classification or reclassification of a particular class of laborers and mechanics to be used, such disagreement shall be set forth in the report as a question and the question accompanied by the recommendation of an appropriate representative of the Department of Health, Education, and Welfare shall be referred to the Secretary of Labor for final determination.

(c) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly wage rate and the contractor is obligated to pay a cash equivalent of such a fringe benefit, an hourly cash equivalent thereof shall be established. In the event the interested parties cannot agree upon a cash equivalent of the fringe benefit, the question, accompanied by the recommendation of an appropriate representative of the Department of Health, Education, and Welfare shall be referred to the Secretary of Labor for determination.

(d) The contractor may consider as part of the wages of any laborer or mechanics the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1 (b) (2) (B) of the Davis-Bacon Act, or any bona fide fringe benefits not expressly listed in section 1 (b) (2) of the Davis-Bacon Act or otherwise not listed in the wage determination decision of the Secretary of Labor which is included in this contract, only when the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. Whenever practicable, the contractor should request that the Secretary of Labor make such findings before the making of the contract. In the case of unfunded plans and programs, the Secretary of Labor may require that the contractor set aside in a separate account assets for the meeting of obligations under the plan or program.

(2) Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any laborer or mechanic to be employed on such work in excess of eight hours in any calendar day or in excess of forty hours in any work week unless such laborer or mechanic receives compensation at a rate of not less than; one and one-half times his basic rate of pay for all hours worked in excess of eight hours in any calendar day or in excess of forty hours in such work week, as the case may be.

(3) Violations: liability for unpaid wages: liquidated damages. In the event of any violations of the clauses set forth in paragraphs (1) and (2), the contractor or any subcontractor responsible therefore shall be liable to any affected employee for his unpaid wages. In additon, in the event of any violation of the clause set forth in paragraph (2), such contractor and subcontractor shall be liable to the United States (in the case

of work under contractor for the District of Columbia or a territory, to such District or to such territory) for liquidated damages. Such liquidated damages shall be computed, with respect to each individual laborer or mechanic employed in violation of the clause set forth in paragraph (2), in the sum of $10 for each calendar day on which such employee was required or permitted to work in excess of eight hours or in excess of the standard work week of forty hours without payment of the overtime wages required by the clause set forth in paragraph (2).

(4) Withholding for liquidated damages and unpaid wages. The owner may withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor, such sum as may administratively be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (3). In the event of failure to pay any laborers or mechanics employed by the contractor or subcontractor in the performance of construction work hereunder, all or part of the wages required by the contract, the owner may, after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance or guarantee of funds until such violations have ceased.

(5) Payrolls and payroll records. (a) The contractor will maintain payrolls and basic records relating thereto during the course of the work and for a period of three years thereafter for all laborers and mechanics working on the construction project. Such records will contain the name and address of each such employee, his correct classification, rates of pay (including rates of contributions or costs anticipated of the types described in section 1 (b) 2 of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has

found under subparagraph (d) of paragraph (1) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1 (b)(2)(B) of the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual costs incurred in providing such benefits.

(b) The contractor will submit weekly a copy of all payrolls to the owner for transmission through the Division of Vocational Education, State Department of Public Instruction, to the Department of Health, Education, and Welfare. The copy shall be accompanied by a statement signed by the employer or his agent and indicating that the payrolls are correct and complete, that the wage rates contained therein are not less than those determined by the Secretary of Labor and that the classification set forth for each laborer or mechanic conform with the work he performed. A submission of a "Weekly Statement of Compliance" which is required under the Copeland Regulations and Paragraph (7) of this contract and the filing with the initial payroll or any subsequent payroll of a copy of any findings by the Secretary of Labor made pursuant to subparagraph (d) of paragraph (1) of this contract shall satisfy this requirement. The prime contractor shall be responsible for the submission of copies of payrolls of all subcontractors. The contractor will make the records required under the labor standards clauses of the contract available for inspection by authorized representatives of the Owner, the Department of Health, Education, and Welfare, and the Department of Labor, and will permit such representatives to interview employees during working hours on the job.

(6) Apprentices will be permitted to work as such only when they are registered, individually, under a bona fide apprenticeship program registered, with a State apprenticeship agency which is recognized by the Bureau of Apprenticeship and Training, United States Department of Labor; or if not such recognized agency exists in a State, under a program registered with the Bureau of Apprenticeship and Training, United States Department of Labor. The allowable ratio of apprentices to journeymen in any craft classification shall not be greater than the ratio permitted to the contractor as to his entire work force under the registered program. Any employee listed on a payroll at an apprentice wage rate, who is not registered as above, shall be paid the wage rate determined by the Secretary of Labor for the classification of work he actually performed. The contractor or subcontractor will be required to furnish to the owner written evidence of the registration of his program and apprentices as well as of the appropriate ratios and wage rates, for the area of construction prior to using any apprentices on the contract work.

(7) Copeland Act requirements. The contractor will comply with the regulations (copy of which is attached) of the Secretary of Labor made pursuant to the Copeland Act and any amendments or modifications thereof, and will be responsible for the submission of statements required of subcontractors thereunder, except as the Secretary of Labor may specifically provide for reasonable limitations, variations, tolerances and exemptions from the requirements thereof.

(8) Subcontract provisions. The contractor will insert verbatim in each of his subcontracts the provisions set forth in paragraphs (1) through (9) hereof, and such other paragraghs as the Department of Health, Education and Welfare, and the Department of Labor may deem appropriate to the instructions required.

(9) Termination. A breach of clauses (1) through (8) may be grounds for termination of the contract, and for debarment as provided in the Secretary of Labor's regulations in 29 CFR 5.6 (A copy of which is attached.)

ARTICLE 7. (a) In the hiring of employees for the performance of work under this contract or any subcontract, neither the contractor, subcontractor or any person acting in their behalf shall by reason of race, creed, or color, discriminate against any citizen of the State in the employment of labor or worker who is qualified and available to perform the work to which the employment relates;

(b) Neither the contractor, subcontractor, nor any person in their behalf shall in any manner discriminate agaisnt or intimidate any employee hired for the performance of work under this contract on account of race, creed, or color.

As a forfeiture for any breach of the provisions described in this Article, there shall be deducted from the amount payable to the contractor under this contract a forfeiture of $25.00 for each person who is discriminated against or intimidated in violation of this contract; and the contract shall be cancelled or terminated and all money to become due hereunder may be forfeited for a second or subsequent violation of the terms of paragraphs (a) and (b) above of this section of the contract, (153.59, O.R.C.).

ARTICLE 8. The contractor is to complete all work contemplated under this contract by the _________day of _________________, 196__. Upon failure to have all work fully completed by the date above mentioned the contractor shall forfeit and pay or cause to be paid to the Owner, the sum of $________ per day for each and every day thereafter the said work remains in an unfinished condition, for and as liquidated damages, and to be deducted from any payments due or to become due to said contractor.

ARTICLE 9. Should the contractor be obstructed or delayed in the prosecution or completion of his work by an act, neglect, delay or default of the Owner or the architect, or because of non-availability of materials due to government controls during a period of National emergency, or of any other contractor employed by the owner upon the work, or by any damage which may happen by fire, lightning, earthquake or cyclone, or the abandonment of the work by the employees through no fault of the contractor, then the time herein fixed for the completion of the work shall be extended for a period of time equal to the time lost by reason of any or all of the causes aforesaid, but no set allowance shall be made unless a claim therefor is presented in writing to the architect within seventy-two hours of the occurrence of such delay. The duration of such extension shall be certified by the architect.

ARTICLE 10. The Owner agrees to provide all labor and material not included in this contract in such manner as not to delay the material progress of the work; and in event of failure so to do, thereby causing loss to the contractor, agrees that it will recommend reimbursement of the contractor for such loss; and the contractor agrees that if he shall delay the material progress of the work, so as to cause any damage for which the Owner shall become liable, as above stated, then he shall make good to the Owner any such damages.

ARTICLE 11. It is hereby mutually agreed between the parties hereto that the sum which the Owner shall cause to be paid to the contractor for said work and material shall be as follows:

TOTAL AMOUNT OF THIS CONTRACT IS

DOLLARS ($).

Subject to additions and deductions as herein before provided, and that such sum shall be paid in current funds to the contractor in installments upon estimates approved in writing by the architect and the Owner about once a month as long as the work progresses. Said estimates to call for payments in accordance with the state law governing school buildings, provided, however, that nothing in this contract shall be construed to create an obligation or incur a liability against the Owner in excess of the amount encumbered for this contract. The Owner will retain from payments to contractors an amount equal to 5% of the estimated value of all materials furnished (including Extra Orders, if any) and delivered until 30 days after acceptance of the completed project by the Owner. The Owner will retain from payments to contractors an amount equal to 5% of approved estimates for Labor Performed until 30 days after acceptance of the completed project by the Owner.

If at any time there should be any evidence of any lien or claim for which, if established, the Owner of the said premises might become and/or which is chargeable to the contractor, the Owner shall have the right to retain out of any payment due or thereafter to become due, an amount sufficient to completely indemnify it against such claim or lien. Should there prove to be any such claim after all payments are made, the contractor shall refund to the Owner all monies that the latter may be compelled to pay in discharging any lien on said premises made obligatory in consequences of the contractor's default.
(1311.26 O.R.C.)

ARTICLE 12. It is further mutually agreed between the parties hereto that not any certificate given in payment under this contract, except the final certificate or final payment, shall be conclusive evidence of the performance of this contract, either wholly or in part, and no payment shall be construed to be the acceptance of defective work or improper materials.

ARTICLE 13. The contractor during the performance of this contract shall maintain liability insurance in accordance with the provisions of Article____ of the General Conditions portion of the specifications.

The said parties for themselves, their successors, heirs, executors, administrators and assigns do hereby agree to the full performance of the covenants herein contained.

IN WITNESS WHEREOF, the parties of these present have hereunto set their hands and seals the day and year first above written.

____________________________Contractor

By: ____________________________
Title or Capacity

______________________ School District Board of Education or
Board of Trustees

Acting By

By ____________________________
President

By ____________________________
Secretary

CHAPTER 38

VOCATIONAL, TECHNICAL AND ADULT EDUCATION; COUNTY TEACHERS COLLEGES

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38.86 State aid to county teachers colleges, free tuition
38.87 Admission; nonresident pupils
38.88 Nonresident students; tuition

38.001 Mission. The board shall be responsible for the initiation, development, maintenance and supervision of programs with specific occupational orientations below the baccalaureate level, including terminal associate degrees, training of apprentices and adult education below the professional level.

History: 1971 c. 100, 125, 211.

38.01 Definitions. In this chapter:

(1) "Board" means the board of vocational, technical and adult education.

(2) "District" means a vocational, technical and adult education district established under this chapter.

(3) "District board" means the district board in charge of the vocational, technical and adult education schools of a district.

(4) "School district" means a school district operating high school grades.

(5) "School board" means the school board in charge of the public schools of a school district.

(6) "School year" means the time commencing with July 1 and ending with the next succeeding June 30.

(7) "Associate degree program" means a 2-year, post-high school program in an area designated and approved by the board for which the course requirements are established by the board.

(8) "Collegiate transfer program" means a state-wide, full-time program, designated and approved by the board, in which the credits earned may be transferable to a 4-year institution of higher education.

(9) "Vocational diploma program" means a one- or 2-year, full-time program in an area designated and approved by the board for which the course requirements are established by the board.

(10) "Vocational-adult program" means a part-time vocationally oriented program established by a district board which has not been approved by the board.

History: 1971 c. 154, 211.

38.02 Establishment. There is established under this chapter a system of vocational, technical and adult education to foster and maintain instruction in courses approved by the board in part-time and full-time day or evening classes. Every person at least the age specified in s. 118.15 (1) (b) who can profit thereby is eligible to receive instruction under this chapter and rules established by the board.

History: 1971 c. 154.

38.04 Board of vocational, technical and adult education; powers and duties. (1) GENERAL. The board shall determine the organization, plans, scope and development of vocational, technical and adult education. For state aid, credit determination and other purposes, the board shall establish criteria for the establishment of district schools and shall classify and name the district schools.

(2) DIRECTOR. The board shall appoint a director, outside the classified service, to serve at its pleasure.

(3) STAFF. The board shall appoint such staff as is necessary under the classified service. Three positions in addition to the director shall be filled outside the classified service.

(4) TEACHER AND COURSE REQUIREMENTS. (a) The qualifications of teachers and the courses of study offered in district schools shall be approved by the board.

(b) The board may authorize district boards to grant associate degrees to those students who successfully complete associate degree programs.

(c) Collegiate transfer programs shall not comprise more than 25% of the credit hours offered in any vocational, technical and adult education district.

(5) COOPERATE WITH FEDERAL GOVERNMENT. The board shall cooperate with the federal government in carrying out any federal act pertaining to vocational, technical and adult education.

(6) GIFTS AND GRANTS. The board may accept gifts, grants, bequests and devises to be used in the execution of its functions.

(7) SCHOLARSHIP PROGRAMS. (b) *Associate degree and collegiate transfer scholarships.* The board may grant scholarships to residents of this state who maintained a satisfactory academic record at a high school or institution of higher education, are in financial need, possess qualifications for leadership and are enrolled in associate degree and collegiate transfer programs at a district school. The amount of the scholarship shall be based on the financial need of the recipient as determined by the district school he attends in accordance with procedures established by the higher educational aids board, but no scholarship may exceed an amount equal to 67% of the financial need of the recipient.

(c) *Vocational diploma programs.* The board may grant scholarships to residents of this state who are enrolled in vocational diploma programs approved by the board. The amount of the scholarship shall be based on the financial need of the recipient as determined by the district school he attends in accordance with procedures established by the higher educational aids board, but no scholarship may exceed an amount equal to 67% of the financial need of the recipient.

(8) PART-TIME INSTRUCTION IN AGRICULTURE. The board may cooperate with any school organized under this chapter or ch. 115 or 120 in offering part-time instruction in agriculture for persons at least the age specified in s. 118.15 (1) (b). The governing body of such school may provide for such part-time instruction and may appropriate funds for such purpose. The authorities entitled by law to receive and disburse funds for schools furnishing instruction under this subsection may receive and use for such purpose federal funds appropriated by the board and all donations.

(9) TRAINING PROGRAM FOR FIREMEN. In order to promote safety to life and property, the board may establish and supervise a training program in fire prevention and protection. The training program shall be available to members of volunteer and paid fire departments maintained by public and private agencies, including industrial plants. The council on fire prevention training programs shall advise the board on the establishment and maintenance of the program.

(10) ADDITIONAL FACILITIES. The board shall review and approve any proposals by district boards for additional facilities, which will house state-aided academic programs, prior to the letting of contracts to construct or incur debt for such facilities.

(11) UNIFORM ACCOUNTING SYSTEMS. The board shall establish a uniform accounting system for fiscal, enrollment, program and other data provided by the district boards as it deems necessary and shall require common use of the fiscal year for operations and data reporting.

History: 1971 c. 154, 211.

38.06 District boundaries; alteration of boundaries. (1) Each district shall include one or more counties, municipalities or school districts in any contiguous combination.

(2) (a) Upon order of the board, the boundaries of a district may be altered. Changes in boundary lines shall take effect on the July 1 next succeeding the date of such approval.

(b) The governing body of a county, municipality or school district may file a petition with the board 1) requesting that its territory be detached from the district in which it lies and attached to a district to which such territory is contiguous, or 2) if portions of its territory lie in more than one district, requesting that all such portions be placed within one of such districts. Immediately upon receipt of the petition, the board shall notify each district board affected of the receipt of the petition and the boundary alterations requested therein. Such district boards shall forthwith notify the board of their recommendations on the petition. Within 90 days of the receipt of the petition, the board shall notify the governing body filing the petition and the district boards affected of its approval or disapproval of the proposed detachment and attachment of the territory. In making its determination under this paragraph, the board shall consider the master plan for vocational, technical and adult education districts prepared by the board and the coordinating council for higher education under s. 41.155 (1), 1967 stats.

(c) If school district boundaries are changed in accordance with Title XIV, the board may act to change district boundaries to coincide with school district boundaries without holding a public hearing.

History: 1971 c. 154.

38.08 Composition and organization of district board. (1) (a) A district board shall administer the district and shall be composed of 7 members who are residents of the district, including 2 employers who have power to employ and discharge, 2 employes who do not have power to employ or discharge, 2 additional members and a school district administrator of a school district which lies within the district. The school district administrator shall be appointed by the other 6 members.

(b) District board members shall take office on July 1 and shall serve 6-year terms, except that the school district administrator shall serve a 2-year term.

(2) Members of a district board shall serve until their successors are appointed and qualified. A vacancy shall be filled for the unexpired term by a majority vote of the remaining members of the district board.

(3) The district board shall hold its annual organizational meeting on the 2nd Monday in July at which it shall elect from among its members a chairman, vice chairman, secretary and treasurer.

(4) District board members shall receive their actual and necessary expenses incurred in the performance of their duties.

(5) Where a function is assigned to the clerk of a governmental unit and a district is one of such governmental units, the function shall be performed by the district board secretary.

History: 1971 c. 154.

Note: Chap. 154, laws of 1971, which created this section also provides:

"Section 81. TERMS OF PRESENT MEMBERS PRESERVED. This act shall not affect present terms of members of vocational, technical and adult education district boards, but the first appointments after July 1, 1972, of successors to present members shall be made so that the terms of one employer, one employe and one additional member shall expire on July 1, 1975, and the terms of one employer, one employe and one additional member shall expire on July 1, 1978. Thereafter, appointments shall be made for terms prescribed in chapter 38 of the statutes".

38.10 Appointment of district board members. (1) District board members shall be appointed by an appointment committee constituted as follows:

(a) If the petition for creation of a district was filed by the governing bodies of school districts or municipalities, the school board presidents of school districts having territory within the district shall constitute the appointment committee.

(b) If the petition for creation of a district was filed by the governing bodies of counties or any combination of school districts, counties and municipalities, the county board chairmen of counties having territory within the district shall constitute the appointment committee.

(c) If the board created a district, the heads of the governing bodies designated by the board shall constitute the appointment committee. The designation shall be made in accordance with par. (a) or (b) depending upon which governmental units comprise the district.

(2) (a) The district board secretary shall fix a date, to be no later than May 15, and a time and place in the district for a meeting of the appointment committee and, at least 3 weeks prior thereto, shall send written notice of the time and place of such meeting to each member of the appointment committee, to each governing body having a member on the appointment committee and to the board. The appointment committee shall appoint district board members at the meeting.

(b) The appointment committee member from the appropriate governmental unit specified under sub. (1) (a), (b) or (c) having the largest population in the district shall act as chairman of the appointment committee.

(c) At the meeting and prior to the appointment of district board members, the appointment committee shall formulate a plan of representation for the membership of the district board. Such plan shall take into consideration the population distribution within the district.

(d) Within 5 days of the appointment of district board members, the chairman of the appointment committee shall send written notice of the appointments and lengths of terms to the board, to the members appointed to the district board and to the district board secretary.

(e) If the appointment committee cannot reach agreement on the representation plan and district board membership within 30 days after their first meeting, the board shall formulate the plan of representation and appoint the district board members in accordance with the plan.

History: 1971 c. 154.

This section is constitutional. West Milwaukee v. Area Bd. Vocational, T. & A. Ed. 51 W (2d) 356, 187 NW (2d) 387.

38.12 District board duties. (1) CONTROL OF DISTRICT SCHOOLS. Except as otherwise provided by statute, the district board shall have exclusive control of the district schools established by it and of property acquired for the use of such schools.

(2) DISTRICT FUNDS AND TREASURER. (a) The district board shall deposit all moneys received by it with the district board treasurer who shall be accountable for such funds. All expenditures shall be approved by the district board. Disbursement of such funds shall be made in accordance with s. 66.042 (6).

(b) Within 15 days after his election, the district board treasurer shall execute and either file a bond executed by 2 qualified sureties approved by the district board or file a surety company bond in an amount determined by the district board, but at least equal to 5% of the annual district budget. If the district board so determines, the district board treasurer within 15 days thereafter shall file additional personal or surety bonds in such greater amounts as the district board requires. The district board treasurer may purchase surety company bonds with district funds.

(3) DISTRICT DIRECTOR AND OTHER EMPLOYES. (a) The district board shall employ and fix the compensation of:

1. A district director who shall have general supervision and management of the development and work of the district schools.

2. Such supervisors, coordinators, teachers and technical advisors and experts as are necessary.

3. Such clerical assistants, custodians and other employes as are necessary.

(b) Employes under par. (a) 1 and 2 shall meet the requirements established by the board and, where applicable, the qualifications determined under s. 38.04 (4) (c).

(c) The district board shall retire the district director and each teacher in a district school at the end of the school year in which such person attains the age of 70 years.

(4) PUBLICATION OF PROCEEDINGS. The proceedings of the district board meetings shall be published within 45 days after the meeting as a class 1 notice, under ch. 985, in a newspaper published in the district. If no newspaper is published in the district, the proceedings may be publicized as the district board directs. The publication of the proceedings shall include a statement of each receipt and expenditure exceeding $100 except salaries, which may be listed in the aggregate.

History: 1971 c. 154.

38.14 District board powers. (1) LEGAL PROCEEDINGS. The district board may sue and be sued in the name of the district and may prosecute or defend all suits brought by or against the district.

(2) BUILDINGS AND EQUIPMENT. (a) For the use of the district schools, the district board may:

1. Purchase or lease materials, supplies and equipment.

2. Purchase or lease suitable land and buildings and rent to others any portion of such land and buildings not needed for school purposes.

3. Construct, enlarge and improve buildings. Existing school buildings and equipment shall be used as far as practicable.

(b) If there is a county teachers college in the district which is no longer in operation, the district board shall utilize the existing buildings and equipment of the college to the extent possible.

(bm) With the approval of the director under s. 38.04 (2), the district board may sell any property which it finds to be no longer needed by the district.

(c) All conveyances, leases and contracts under this subsection shall be in the name of the district.

(3) CONTRACTS FOR INSTRUCTIONAL SERVICES. The district board may contract with public educational institutions and other district boards for instructional services.

(4) GIFTS AND GRANTS. The district board may accept gifts, grants, bequests and devises to be used in the execution of its functions.

(5) ADVISORY COMMITTEES. The district board may establish advisory committees representing every occupation in the district. Each advisory committee shall consist of equal numbers of employers and employes selected by the district board from recommendations submitted by representative organizations and associations of each occupation. The district board and the district director may request the advice and assistance of these advisory committees in selecting, purchasing and installing equipment, in preparing course materials, in developing instructional methods and vocational guidance programs and for such other purposes as the district board desires.

(6) TRANSPORTATION. The district board may provide transportation for students within the district, but no state aid may be paid for this service.

(7) SALE OF ARTICLES. The district board may sell at market value articles manufactured in district schools. The proceeds from such sales shall be paid to the district treasurer.

History: 1971 c. 154, 215.

The Milwaukee technical college may acquire and operate a retail service station as a part of a vocational training program. 58 Atty. Gen. 23.

38.16 District tax levy. (1) Annually on or before October 1, the district board may levy a tax, not exceeding 1.8 mills for 1972 and 1.7 mills thereafter on the full value of the taxable property of the district, for the purpose of making capital improvements, acquiring equipment and operating and maintaining the schools of the district, except that the mill limitation is not applicable to taxes levied for the purpose of paying principal and interest on valid bonds or notes now or hereafter outstanding as provided in s. 67.035. The district board secretary shall file with the clerk of each city, village and town, any part of which is located in the district, a certified statement showing the amount of the levy and the proportionate amount of the tax to be spread upon the tax rolls for collection in each city, village and town. Such proportion shall be ascertained on the basis of the ratio of full value of the taxable property of that part of the city, village or town located in the district to the full value of all taxable property in the district, as certified to the district board secretary by the department of revenue. Upon receipt of the certified statement from the district board secretary, the clerk of each city, village and town shall spread the amounts thereof upon the tax rolls for collection. When the taxes are collected, such amounts shall be paid by the treasurer of each city, village and town to the district board treasurer.

(2) The district board may borrow money and levy taxes to be used for the purchase or construction of buildings and for additions, enlargements and improvements to buildings and for the acquisition of sites and equipment. In financing activities under this subsection, the district may issue its bonds or promissory notes under ch. 67 to pay the cost thereof.

History: 1971 c. 154, 211.

This section is constitutional. West Milwaukee v. Area Bd. Vocational, T. & A. Ed. 51 W (2d) 356, 187 NW (2d) 387.

38.18 Contracts and bidding. All contracts made by a district board for public construction in a district, the estimated cost of which exceeds $1,000, shall be let by the district board to the lowest responsible bidder in accordance with s. 62.15 (1) to (11) and (14). For purposes of this section, the district board shall possess the powers conferred by s. 62.15 on the board of public works and the common council. All contracts made under this section shall be made in the name of the district and shall be executed by the district board chairman and district board secretary.

History: 1971 c. 154.

38.20 Adjustment of assets and liabilities. (1) Except as provided in sub. (2), upon the creation of a district the property, assets, claims, contracts, obligations, rights, duties and liabilities relating and pertaining to the existing vocational and adult education schools in the territory included in the district shall become the property, assets, claims, contracts, obligations, rights, duties and liabilities of the district.

(2) (a) Upon the creation of a district the property, assets, claims, contracts, obligations, rights, duties and liabilities relating and pertaining to the existing vocational and adult education school operated in a city or village located in the territory included in the district shall remain the property, assets, claims, contracts, obligations, rights, duties and liabilities of such city or village, unless the governing body of such city or village transfers the whole or any portion thereof to the district under an agreement between such city or village and the district as to the use, obligation and ownership thereof.

(b) The purchase price of such property, except as otherwise agreed upon under par. (a), shall be the fair market value as determined by an independent appraiser selected jointly by the governing body of the city or village and the district board, less any outstanding obligations against the property which shall be assumed by the district.

(c) In financing the purchase of property transferred to the district under this subsection, the district may issue its bonds or promissory notes under ch. 67 to pay the cost thereof including assumption of outstanding obligations.

(d) The city or village shall deposit the proceeds of the sale of vocational and adult education school property in the sinking fund, if any, created for payment of existing vocational and adult education school obligations. The indebtedness of such city or village shall, for purposes of computing its legal debt limit, be deemed reduced by the amount of such deposit. The city or village may invest these sinking fund moneys under s. 66.04 (2) or 67.11 (2) and (3). Bonds and notes issued by districts for purposes of this subsection shall not be subject to referendum. The purchase agreement shall include an irrevocable clause providing that the district shall pay annually to the city or village a sum of money equal to the amount in which the interest received by the city or village upon investments authorized hereunder is less than the amount of interest paid by the city or village on the bonds of the city or village for vocational and adult education school purposes.

(e) The district purchasing property under this subsection may, with approval of the city council or village board involved, pay the purchase price by issuing and delivering directly to the city or village the general obligation promissory notes or the notes of the district under s. 67.12 (12), except that no referendum may be held and the 10-year limitation on such notes shall be inapplicable to such notes issued under this paragraph. Such notes shall mature and be payable at such times, in such amounts and at such rate of interest as will amortize and pay when due the principal and interest on the outstanding obligations of the city or village for vocational and adult education school purposes. All such notes, upon execution and delivery to the city or village, shall in all respects be held and considered as an authorized investment under s. 66.04 (2) or 67.11 (2) and (3) of the sinking fund created for payment of the city or village obligations issued for vocational and adult education school purposes and shall be offset against city or village indebtedness in computing legal debt limit to the same extent as other authorized investments of the sinking fund and such notes may be sold and hypothecated. If the offset against city or village indebtedness under this paragraph is determined to be invalid in any respect, such city or village immediately may require the district issuing the promissory notes to such city or village to comply with pars. (c) and (d) to the extent necessary to cure such invalidity.

History: 1971 c. 154.

38.22 Admission requirements. (1) Every person who is at least the age specified in s. 118.15 (1) (b) is eligible to attend the schools of a district if he is:

(a) A resident of the district.

(b) A nonresident of the district who is employed in the district.

(c) A nonresident of the district who desires to take specific courses which are offered in the schools of such district but not offered in the schools of the district in which he resides, and if the district board of attendance approves his enrollment.

(d) A nonresident of this state, and if the district board of attendance approves his enrollment.

(2) Within 30 days of the enrollment of a student in a school of another district, the district board of attendance shall send written notice of his enrollment to the district board of the district in which he resides and state whether he is enrolled in a collegiate transfer program.

(3) Nonresident students shall be subject to the same rules and regulations as resident students.

History: 1971 c. 154.

38.24 Fees and tuition. (1) PROGRAM FEES. Annually, the board shall establish uniform fees, based on 25% of the state-wide average instructional costs of liberal arts collegiate transfer programs in district schools, which district boards shall charge residents of this state enrolled in such programs in their districts of residence. In like manner the board annually shall establish such fees, based on at least 25% of such costs in such programs, which district boards shall charge nonresidents of their district enrolled in such programs.

(2) TUITION CHARGES. For students who are nonresidents of the district, the district board shall establish tuition charges based on moneys collected under s. 38.16 for the current school year divided by a figure representing the full-time student equivalency of the district for that school year. Full-time student equivalency shall be determined in accordance with procedures established by the board. If a student is in a collegiate transfer program, the tuition charge determined for him under this subsection shall be reduced by the amount of his fee under sub. (1). Unless liability for his tuition charge exists or is assumed under sub. (4), a nonresident student is liable for the tuition charge under this subsection.

(3) REVIEW PROCEDURES. (a) The director shall review fees and tuition charges under this section and if they are accurate he shall approve them. No fee or tuition may be charged until approved under this paragraph.

(b) The board shall establish fee and tuition refund policies.

(c) The board shall establish procedures to determine the residence of students attending district schools. In the case of any disagreement as to the residence of any student, the board shall make the final determination.

(4) LIABILITY OF DISTRICT OF RESIDENCE. (a) The district board of the student's district of residence is liable for the tuition charge by the district of attendance for a nonresident student who is a resident of this state, but is not liable for the following:

1. Any student for whom the district board of attendance fails to file notice under s. 38.22 (2).

2. Any student who enrolls in a collegiate transfer program, if there is located within the district of residence a public institution of higher education.

3. Unless the district board of residence consents, any student 18 years of age or over. For purposes of this subdivision, a student shall be considered 18 years of age, if he attains the age of 18 prior to the beginning of the semester or lesser time period for which enrolled in a district school.

(b) In the case of any disagreement between district boards under this subsection, the board shall make the final determination.

(5) CLAIM FOR FEE AND TUITION. Annually on or before August 1, the district board secretary shall send a verified statement to the district board secretary of each district which is liable for a tuition charge under this section. For each student, the statement shall set forth his name, age and place of residence, date of enrollment in a district school and the instructional program of the student and the amounts due therefor under sub. (2). The statement shall be filed as a claim against the district board of the student's district of residence and allowed as other claims are allowed.

History: 1971 c. 154, 211, 228.

38.26 Course fees. The district board may charge students for the cost of materials consumed by them in their courses. In lieu of such charge, the district board may charge a fixed sum to be paid by each student in each course which shall be sufficient to cover, as nearly as possible, the cost of the material to be consumed in each course.

History: 1971 c. 154.

38.28 State aid. (1) Annually at the time and on forms prescribed by the director, the district board secretary shall report to the board the cost of maintaining the schools of the district; the character of the work done, the number, names and qualifications of the teachers employed; the number of full-time students enrolled; and such other information as the board requires.

(2) The state aid to be paid to district boards shall be determined as follows:

(a) Annually, the board shall determine the state-wide operational cost per full-time equivalent student in collegiate transfer, associate degree and vocational diploma programs. The board shall furnish each district board with definitions of state-wide operational costs per full-time equivalent student and shall establish procedures for determining operational cost per full-time equivalent student. In computing its operational cost, a district board may include administrative costs attributable to such programs in an amount not exceeding 11% of its total instructional costs.

(b) The state-wide operational cost shall be multiplied by 40% for the 1971-72 fiscal year and 55% thereafter to determine the aid per full-time equivalent student in collegiate transfer, associate degree and vocational diploma programs. One-half of the aid so determined shall be the aid per full-time equivalent student in vocational-adult programs. Such per-pupil aid for each program shall be multiplied by the number of full-time equivalent students enrolled in that program in the district to determine the state aid payable to the district board under this paragraph.

(c) The board shall pay 25 cents for each student period of 50 minutes or more of actual attendance for instruction in driver training courses approved by the board. The board may provide aids under this paragraph on the basis of a minimum of 10 students per class period of actual instruction regardless of the number of students actually enrolled and attending.

(d) The board may withhold or suspend in whole or in part payment of state aid under this subsection to any district board whose academic program or faculty does not meet minimum standards set by the board. The board may discontinue aids to those academic programs which are no longer necessary to meet needs within the state.

(3) If the appropriation for state aid under s. 20.292 (1) (d) in any one year is insufficient to pay the full amount under sub. (2), state aid payments shall be prorated among the districts entitled thereto.

(4) (a) Annually on or before July 1, the governing body of a school maintaining part-time instruction in agriculture in accordance with s. 38.04 (8) shall report to the board, in such form as the board requires, the cost of maintaining such part-time instruction, the character of the work done, the number and names of teachers employed, the length of time such instruction was maintained and such other facts as the board requires.

(b) If the board is satisfied that instruction under par. (a) was maintained during the preceding year in accordance with law and in conformity with the state plan accepted by the U.S. office of education, the board shall certify to the department of administration in favor of each governing body an amount equal to one-third of the amount expended by each for salaries of qualified and approved teachers.

(5) State aid shall not be paid to a district for any year, unless every teacher, administrator, principal and supervisor employed by the district during that year is under a contract providing for leave of absence by reason of sickness of

such person, without deduction from salary, for not less than 5 days per year and for accumulation of unused sick leave from year to year to a total of not less than 30 days. No allowance may be paid for such absences from teaching or other educational services rendered in evening school by any person employed at least 30 hours per week in day school. This subsection does not apply to a person employed by the district board for less than 30 hours per week.

History: 1971 c. 154, 211.

38.30 Special aid for veterans. (1) (a) District boards may receive payments from the U.S. veterans administration for tuition to cover the cost of training for resident and nonresident students who are enrolled in district schools and are veterans eligible for benefits under federal law.

(b) District boards may receive payments from the department of health and social services under s. 55.01 to cover the cost of training for resident and nonresident students who are enrolled in district schools and are veterans ineligible for benefits under par. (a).

(c) District boards shall not receive payments under this subsection which, together with other receipts for the same purpose exclusive of the funds provided under s. 38.16, would exceed the full cost of training provided such veterans.

(d) The amounts received for nonresidents under this subsection shall not be less than the amounts specified in s. 38.24 (2) but may exceed such amounts.

(2) Upon the authorization of a school board or district board, the board may enter into contracts with the U.S. veterans administration for training in vocational agriculture to be provided by such school board or district board to veterans eligible for benefits under federal law. The board shall receive from the U.S. veterans administration payments granted to cover the cost of administration by the board and, to be paid to the school board or district board, payments granted to cover the cost of such training.

History: 1971 c. 154.

38.51 Educational approval board. (1) DEFINITIONS. In this section unless the context clearly requires otherwise:

(a) "Board" means educational approval board.

(b) "Solicitor" means a person employed by or representing a school located either within or outside this state who, in places other than the actual business premises of the school, personally attempts to secure the enrollment of a student in such school.

(c) "Person" means any individual, partnership, association, or corporation or any combination thereof.

(d) "School" means any person, located within or outside this state, maintaining, advertising or conducting any course or course of instruction for profit or a tuition charge; but in sub. (7) and (8) "school" means any private trade, correspondence, business or technical school not excepted under sub. (9).

(e) "Course" means an organized unit of subject matter in which instruction is offered within a given period of time or which covers a specified amount of related subject matter.

(f) "Course of instruction" means a series of classroom or correspondence courses having a unified purpose which lead to a diploma or degree or to an occupational or vocational objective.

(2) PURPOSE. The purpose of the board is to approve schools and courses of instruction for the training of veterans of the armed forces and war orphans receiving assistance from the federal government, protect the general public by inspecting and approving private trade, correspondence, business and technical schools doing business within this state whether located within or outside this state and courses of instruction offered by these schools and to regulate the soliciting of students for correspondence or classroom courses and courses of instruction offered by these schools.

(3) RULE-MAKING POWER. The board shall prescribe rules and establish standards necessary to carry out its purpose.

(5) EMPLOYES, QUARTERS. The board shall employ a person to perform the duties of an executive secretary and such other persons under the classified service as may be necessary to carry out its purpose. The administrative functions of the board shall be in charge of the person performing the duties of the executive secretary. The board shall keep its office in the department of public instruction.

(6) APPROVAL AGENCY FOR VETERAN'S TRAINING. (a) Except as provided in par. (b) the board shall be the state approval agency for the education and training of veterans and war orphans. It shall approve and supervise schools and courses of instruction for their training under Title 38, U.S.C., and may enter into and receive money under contracts with the veterans administration or other appropriate federal agencies.

(b) The governor may designate the following agencies for approval and supervision of special phases of the program of veterans education:

1. On the job and apprenticeship training program, the department of industry, labor and human relations.

2. On the farm training program, the board of vocational, technical and adult education.

3. Embalmers and funeral directors apprentices, the department of health and social services.

(7) APPROVAL OF SCHOOLS GENERALLY. In order to protect students, prevent fraud and misrepresentation in the sale and advertising of courses and courses of instruction and encourage schools to maintain courses and courses of instruction consistent in quality, content and length with generally accepted educational standards, the board shall:

(a) Investigate the adequacy of courses and courses of instruction offered by schools to residents of this state and establish minimum standards for such courses of instruction.

(b) Investigate the adequacy of schools' facilities, equipment, instructional materials and instructional programs and establish minimum standards therefor.

(c) Establish rules, standards and criteria to prevent fraud and misrepresentation in the sale and advertising of courses and courses of instruction.

(d) Establish rules restricting the negotiability of promissory instruments received by schools in payment of tuition and other charges.

(e) Establish minimum standards for refund of the unused portion of tuition, fees and other charges if a student does not enter a course or course of instruction or withdraws or is discontinued therefrom.

(f) Require schools offering courses and courses of instruction to residents of this state to furnish information concerning their facilities, curricula, instructors, enrollment policies, tuition and other charges and fees, refund policies and policies concerning negotiability of promissory instruments received in payment of tuition and other charges.

(g) Approve courses of instruction and schools meeting the requirements and standards established by the board and complying with rules established by the board and publish a list of such schools and courses of instruction.

(h) Issue permits to solicitors when all board requirements have been met.

(8) SOLICITING OF STUDENTS. (a) *In general.* No solicitor representing any school offering any course or course of instruction shall sell any course or course of instruction or solicit students therefor in this state for a consideration or remuneration, except upon the actual business premises of the school, unless he first secures a solicitor's permit from the board. If the solicitor represents more than one school, a separate permit shall be obtained for each school represented by him.

(b) *Solicitor's permit.* The application for a solicitor's permit shall be made on a form furnished by the board and shall be accompanied by a fee of $5 and a surety bond acceptable to the board in the sum of $1,000. Such bond may be continuous and shall be conditioned to provide indemnification to any student suffering loss as the result of any fraud or misrepresentation used in procuring his enrollment or as a result of the failure of the school to faithfully perform the agreement made with him by the solicitor, and may be supplied by the solicitor or by the school itself as a blanket bond covering each of its solicitors in the amount of $1,000. Upon approval of a permit the board shall issue an identification card to the solicitor giving his name and address, the name and address of his employing school, and certifying that the person whose name appears on the card is authorized to solicit students for the school. A permit shall be valid for one year from the date issued. Liability of the surety on the bond for each solicitor covered thereby shall in no event exceed the sum of $1,000 as an aggregate for any and all students for all breaches of the conditions of the bond. The surety of a bond may cancel the same upon giving 30 days notice in writing to the board and thereafter shall be relieved of liability for any breach of condition occurring after the effective date of the cancellation. An application for renewal shall be accompanied by a fee of $5, a surety bond if a continuous bond has not been furnished, and such information as the board requests of the applicant.

(c) *Refusal or revocation of permit.* The board may refuse to issue or renew, or may revoke, any solicitor's permit upon one or any combination of the following grounds:

1. Wilful violation of this subsection or any rule promulgated by the board under this section;

2. Furnishing false, misleading or incomplete information to the board;

3. Presenting information to prospective students relating to the school, a course or course of instruction which is false, fraudulent or misleading;

4. Refusal by the school to be represented to allow reasonable inspection or to supply information after written request therefor by the board;

5. Failure of the school which the solicitor represents to meet requirements and standards established by and to comply with rules prescribed by the board pursuant to sub. (7);

6. Cancellation of the solicitor's bond by surety;

7. That the applicant or holder of the permit is not of good moral character.

(d) *Notice of refusal to issue or renew permit.* Notice of refusal to issue or renew a permit or of the revocation of a permit shall be sent by registered mail to the last address of the applicant or permit holder shown in the records of the board. Revocation of a permit shall be effective 10 days after the notice of revocation has been mailed to the permit holder.

(e) *Request for appearance.* Within 20 days of the receipt of notice of the board's refusal to issue or renew a permit or of the revocation of a permit, the applicant or holder of the permit may request that he be permitted to appear before the board in person, with or without counsel, to present reasons why the permit should be issued or reinstated. Upon receipt of such request the board shall grant a hearing to the applicant or holder of the permit within 30 days giving him at least 10 days' notice of the date, time and place.

(f) *Recovery by students.* The bond in force under par. (b) shall not limit or impair any right of recovery otherwise available under law, nor shall the amount of the bond be relevant in determining the amount of damages or other relief to which any plaintiff may be entitled.

(g) *Recovery on contracts.* No recovery shall be had by any school or its assignee on any contract for or in connection with a course or course of instruction if the representative who sold or solicited the course was not the holder of a solicitor's permit under this subsection at the time of the sale or solicitation.

(h) *Enforcement.* The attorney general or any district attorney may bring any appropriate action or proceeding in any court of competent jurisdiction for the enforcement of this subsection.

(i) *Penalty.* Whoever violates this subsection may be fined not more than $500 or imprisoned not more than 3 months or both.

(9) EXCEPTIONS. This section, except the provisions of sub. (6), shall not apply to the following:

(a) Schools organized on a nonprofit basis as defined by the U. S. internal revenue code.

(b) Schools that are supported mainly by taxes.

(c) Schools of a parochial or denominational character offering courses having a sectarian objective.

(d) Schools primarily offering instruction avocational or recreational in nature and not leading to a vocational objective.

(e) Courses conducted by employers exclusively for their employes.

(f) Schools, courses of instruction and training programs which are approved or licensed and supervised by other state agencies and boards.

(g) Schools approved by the department of public instruction for the training of teachers.

(h) Schools accredited by accrediting agencies recognized by the board.

(10) PROPRIETARY SCHOOL APPROVAL. All proprietary schools shall be examined and approved by the board before operating in this state. Existing schools on November 5, 1971 have until September 1, 1973, to receive approval. No school may advertise in this state unless approved by the board. All approved schools shall submit quarterly reports, including information on enrollment, number of teachers and their qualifications, course offerings, number of graduates, number of graduates successfully employed and such other information as the board deems necessary.

History: 1971 c. 125 ss. 249, 448; 1971 c. 211 s. 51.

38.76 County teachers colleges; appropriation. Any county within which no state university operating an elementary department is located may appropriate money for the organization, equipment and maintenance of a teachers college, to be known as a "County Teachers College" for teachers of common schools, and for the erection of suitable school buildings and dormitories, or for purchasing and remodeling suitable buildings therefor.

History: 1971 c. 154 s. 13.

38.77 Same; board, appointment, bond, organization. A "county teachers college board" is created, which shall have charge and control of all matters pertaining to the organization, equipment and maintenance of such colleges. The board shall consist of 3 members, elected by the county board at an annual meeting for the term of 3 years from January 1 following their election, and shall within 10 days after the notice of such election take and file the official oath and execute and file an official bond in such sum as may be fixed by the county board. The members thereof shall meet and elect one of their number president and one as secretary. The county treasurer of the county in which the college is located shall be treasurer of the board, but not a member thereof. The board shall prescribe the duties of its officers. The members of such board shall receive such compensation for their services and reimbursement for traveling expenses necessarily incurred in the discharge of their functions as the county board allows.

History: 1971 c. 154 s. 13.

38.78 Same; extension courses for students. The county teachers college board may contract with the university extension division of the university of Wisconsin for extension courses for pupils enrolled in county teachers colleges.

History: 1971 c. 154 s. 13.

38.79 Same; moneys, how paid. All moneys appropriated to such college shall be expended by the county teachers college board, and shall be paid by the county treasurer on orders issued by said board and signed by its secretary and president.

History: 1971 c. 154 s. 13.

38.80 Same; supervision by state superintendent. The state superintendent of public instruction shall assist in organizing and maintaining such colleges; shall prescribe the course of study to be pursued; shall have the general supervision of such colleges; shall inspect the same and make recommendations relating to their management; and shall make full reports concerning their number, character, and efficiency.

History: 1971 c. 154 ss. 13, 79 (1).

38.81 Same; physical education. (1) Every county teachers college shall require all students to take a course in physical education and playground games and management.

(2) In this section "physical education" means instruction in the theory and practice of physical exercise and instruction in hygiene, but does not include medical supervision.

History: 1971 c. 154 s. 13.

38.82 Same; certificates to graduates. Each graduate of a county teachers college, who shall be of good moral character, shall receive a diploma signed by the president of the college and by the college board, certifying that the person named therein has satisfactorily completed the course of study of the county teachers college, and is of good moral character; and giving a list of the standings of the person on the completion of each study pursued in the college.

History: 1971 c. 154 s. 13.

38.83 Same; qualifications of teachers and president. No member of any county teachers college board shall be employed in said college, either as president or as teacher during the term for which he was elected, nor shall any person be employed as a teacher in such college who does not hold a state license or certificate, nor shall any person be employed as president of such college who is not legally qualified for the position of principal of a high school having a 4-year course of study.

History: 1971 c. 154 s. 13.

38.84 Joint county teachers colleges; maintenance; demonstration department. (1) The county boards of 2 or more adjoining counties may unite in establishing and maintaining a college for teachers on the same general plan as provided for such college in a single county, and may appropriate money for its maintenance. The 3 members chosen from each such county shall constitute the joint county teachers college board. The elective members [illegible] the school board shall choose one of its members as chairman and one as secretary of the school board.

(2) If, at the time of establishing such college, the counties shall neglect to procure a site, or to erect a school building therefor, such joint county teachers college board may, subject to the approval of the state superintendent of public instruction, procure such site and erect a suitable school building thereon; borrow not to exceed $12,000 for said purposes from the trust funds of the state, payable in equal annual instalments in not to exceed 10 years, with the annual interest at the rate of not to exceed 3 1/2%. Provision for the payment of each instalment, and accrued interest, shall be made in the tax levy and apportionment mentioned in s. 38.85.

(3) The county teachers college board of any county teachers college may enter into a contract with any school, for a period of not more than 5 years, whereby pupils selected from such district may be selected to serve as a demonstration department for the practical demonstration of methods of teaching and the instruction of the students enrolled in the county teachers college. Such school or department shall be placed under the instructional direction of the county teachers college faculty and housed and maintained in the county teachers college building or in a school in the contracting district. Said boards may determine and agree upon the due proportion of the cost of instruction and maintenance that shall be borne by the county and by the district. Any contract or agreement jointly entered into already existing, and having for its purpose the maintenance of a school is hereby validated, and

shall be continued in full force and effect for a period not exceeding 5 years from the original date of the contract. Districts which suspend their schools on account of the contract authorized under this section shall be eligible to receipt of aids in the same amounts that they would be eligible to receive if they had operated their schools.

(4) A county by resolution of its county board may, by written notice prior to March 1 of any year to the joint teachers college board and to any other county participating in the maintenance of a joint teachers college, withdraw its support of such school as of the beginning of the next succeeding school year, and thereupon the assets and liabilities of such joint teachers college shall be adjusted and divided as provided by s. 66.03, except that by agreement between the counties owning the school the assets and liabilities need not be divided at the time any county withdraws its support, in which case, until assets and liabilities are divided, the school may be continued in use under such terms and conditions as may be mutually agreed upon by the counties owning the school.

History: 1971 c. 154 ss. 13, 79 (1), 80.

38.85 Same; maintenance, equipment, apportionment. When counties unite in establishing and maintaining such college, the college board shall annually determine the amount of money necessary for the maintenance and equipment of the college for the next succeeding year, and shall apportion the amount to be raised by taxation among the counties in proportion to the valuation of the taxable property in each county as last fixed by the department of revenue, and shall report to the county clerk of each county before November in each year the amount of the apportionment so fixed, and such amount shall be included in the county tax for the ensuing year for the support of the college. Each county treasurer shall pay over all moneys so levied and collected for the college to the treasurer of the joint county teachers college board and file the latter's receipt therefor.

History: 1971 c. 154 s. 13; 1971 c. 164 s. 92.

38.86 State aid to county teachers colleges, free tuition. (1) (a) The state superintendent of public instruction shall keep a list of such county teachers colleges, whose course of study and the qualifications of whose teachers have, on application, been approved by him; and any such county teachers college once entered on such list may remain listed and be entitled to state aid so long as the scope and character of its work are maintained in such manner as to meet his approval, but such sums shall be paid only to county teachers colleges on the approved list of the state superintendent of public instruction on January 1, 1927. After July 1, 1930, no state aid shall be paid to any such county teachers college located in the same county as a state university. No state aid shall be paid for the 1967-68 school year to any county teachers college whose full-time student enrollment in September 1966 was less than 50, except for those colleges which entered into contracts with employed teachers prior to March 23, 1967. No state aids shall be paid for the 1968-69 school year, or any year thereafter, to any county teachers college [illegible]ose full-time student enrollment on the third Friday in September of the prior year is less than 50. Full-time students who, on April 1, 1967, are enrolled in a county college for which no state aid is paid for the 1967-68 school year and who would qualify for admission to that college if it were to open in September 1967 may enroll in any state university or the university of Wisconsin and be granted fee waivers for 2 semesters or 3 quarters or until the student is classified as a junior, whichever occurs first.

(b) Full-time students who, on April 1, 1967, are enrolled in a county college for which no state aid is paid for the 1967-68 school year and who would qualify for admission to that college were it to open in September 1967 may enroll in any state university or the university of Wisconsin and be granted fee waivers for 2 semesters or 3 quarters or until the student is classified as a junior, whichever occurs first.

(1m) If it appears from an actual inspection by direction of the state superintendent of public instruction that the work of such county teachers college has been efficient, and that the college has been devoted exclusively to the training of teachers, the state superintendent of public instruction shall certify, in favor of the county operating such teachers college, the amount of the salary paid to each teacher and president but not to exceed an amount to which such teacher or president is entitled under a salary schedule for teachers and presidents of county teachers colleges to be adopted and promulgated by him. The salary schedule shall provide for a salary range of from $5,600 to $9,500 per year for instructors, and $9,500 to $12,500 for presidents on a 12-month basis, varying with length of service and professional training.

(3) Upon receipt of such certificates the department of administration shall draw its several warrants accordingly, payable to the treasurers of the counties maintaining such county teachers colleges, respectively; and payable to the treasurers of the boards maintaining such col-

leges, respectively, if they are joint county teachers colleges; provided, that if the total amount of state aid to be paid under sub. (1m) shall exceed the appropriation made in s. 20.255 (1) (fd), the department of administration shall equitably prorate the amount available.

History: 1971 c. 125 s. 522 (1); 1971 c. 154 ss. 13, 79 (1).

38.87 Admission; nonresident pupils. The county teachers college board shall admit to said college, whenever the facilities will warrant, any person prepared to enter such college, who resides in a county which does not maintain such a county teachers college. Nonresident students from counties maintaining a county teachers college may be admitted, but the tuition of such students shall not be a charge against the county of residence. Persons so admitted shall be entitled to the privileges and be subject to the rules of such college.

History: 1971 c. 154 s. 13.

38.88 Nonresident students; tuition. The board shall charge tuition for any given year for nonresident students. The tuition charge shall be determined as follows: from the sum total of money expended by the county in operating and maintaining the teachers college, including an item for building and equipment costs equal to 2% for buildings erected prior to 1945 and 5% for buildings erected in 1945, and thereafter, of the original expenditures for buildings and equipment thereof and interest costs, as certified to the state superintendent of public instruction, such charge not to apply for a greater priod of time than 20 years in the case of a new building or for the unexpired portion of 50 years of life of an old building, excluding land costs, there shall be subtracted an amount equal to the sum of the state and federal aids, receipts from student fees, book rentals and from elementary pupil tuition, and the difference so determined shall be divided by the average daily attendance for the given year. Except as provided in s. 38.87, such tuition shall be a charge against the county in which such students reside and shall be paid by it to the treasurer of the teachers college enrolling such students.

History: 1971 c. 154 ss. 13, 80.

CHAPTER 67

MUNICIPAL BORROWING AND MUNICIPAL BONDS

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67.01 Definitions and interpretations. In this chapter, unless the context or subject matter otherwise requires:

(1) "Municipality" includes a county, city, village, town, common school district, union high school district, unified school district, whether any such district is joint or otherwise, a board of education, a board of park commissioners, a vocational, technical and adult education district and any other public body empowered to borrow money and issue written obligations to repay the same out of public funds or revenues.

(2) "Municipal obligation" includes every lawful promise or engagement in writing by a municipality to pay at a specified future time a specified sum of money.

(3) "Governing body" includes a town or county board, the legislative body of a city or village, and the board of any district or other municipality enumerated in subsection (1).

(4) Every reference to the population of a municipality refers to its population according to the last United States census; and every reference to the value of the taxable property in a municipality refers to such value as equalized for state purposes.

(5) "Recorded" means copied at length in the record book required by subsection (12) of section 67.05.

(6) "Initial resolution" means any resolution or ordinance adopted pursuant to subsection (1) or subsection (2) of section 67.05, by which a proceeding is instituted for the purpose of authorizing a municipality to borrow money and issue bonds or other municipal obligations.

(8) This chapter is not applicable:

(a) To the borrowing of moneys belonging to the common school fund, the normal school fund, the university fund or the agricultural college fund; all of which borrowing shall continue to be regulated by chapter 25 of these statutes.

(b) To the issue or payment of street, sewer, harbor or other improvement bonds or certificates which do not constitute a general liability of the municipality issuing them, and for the payment of which specified portions only of the taxable property in such municipality are taxable.

(d) To drainage bonds issued by authority of ch. 88 (or ch. 88 or 89 as they existed prior to January 1, 1965).

(e) To viaduct bonds issued pursuant to s. 59.91.

(g) To mortgage bonds or mortgage certificates issued for the purpose of purchasing, acquiring, constructing, extending, adding to or improving public utilities, including street railways, pursuant to ss. 66.06 to 66.078, nor to refunding bonds authorized pursuant to s. 66.066 (2) (b), nor to public improvement bonds authorized under s. 66.059.

(h) To contractor's certificates, general obligation-local improvement bonds or special assessment B bonds issued pursuant to section 66.54 except as therein specified.

History: 1971 c. 188.

67.015 Housing authorities exempted. This chapter shall not be applicable to borrowing by housing authorities or county veterans' housing authorities under sections 66.39 to 66.404.

67.02 Procedure validated. (1) Validations heretofore [1921] effected by legislative enactments of defective or irregular procedure in the creation, execution, or issue of municipal obligations continue unaffected by the repeal of said enactments or by the consolidation and revision of them in this chapter.

(2) Defects and irregularities in any such proceeding hereafter [1921] had which is for a lawful purpose, is unaffected by fraud, and does not exceed any statutory or constitutional limitation of amount, shall not invalidate the bonds issued or the indebtedness incurred after the bonds have been sold or hypothecated and the proceeds thereof received and appropriated by the municipality to such lawful purpose, nor after the performance of a contract has been entered upon by a party whose performance of the contract is the consideration for such bonds or other obligations.

History: 1971 c. 40.

67.025 Bonds submitted to attorney general. The governing body of any municipality about to issue municipal bonds may, in its discretion, submit to the attorney general a certified copy of all its proceedings preliminary to such issue, and also the unsigned bonds, for examination and certification as provided by s. 165.015 (3). As soon as bonds so examined and certified shall be returned the clerk of the municipality shall record such certificate.

History: 1971 c. 40.

Cross Reference: See 893.23 for 30 day statute of limitations on bonds certified by the attorney general.

67.03 Grant of power to borrow; general limitations of indebtedness. (1) Except as provided in s. 67.01 (8), municipalities may borrow money and issue municipal obligations therefor only for the purposes and by the procedure specified in this chapter. The aggregate amount of indebtedness, including existing indebtedness, of any municipality shall not exceed 5% of the value of the taxable property located therein as equalized for state purposes except as follows:

(a) For any city authorized to issue bonds for school purposes, an additional 10 per cent may be incurred for school purposes only, and in such cases the territory attached to the city for school purposes shall be included in the total taxable property supporting the bonds issued for school purposes.

(b) For any school district which offers no less than grades 1 to 12 and which at the time of incurring such debt is eligible for the highest level of school aids, 10 per cent of such equalized value shall be permitted.

(2) The amount so limited includes such indebtedness only as has been or may be incurred independently by a municipality for its own separate purposes; and does not include any indebtedness, in whole or in part, that has been or may be incurred independently by any other municipality for its own separate purposes, even though the territory and taxable property of either municipality constitutes the whole or a part of the territory and taxable property of the other.

(3) Whenever a municipality acquires a utility or other property of any kind that at the time is incumbered by mortgage, trust deed or otherwise, the municipality does not assume the payment of such incumbrance, nor does the incumbrance constitute any part of the amount limited by subsection (1). Neither is any deferred payment upon a municipal contract a part of said amount, if the contract expressly provides immunity for the municipality from all liability arising from such contract to make such payment.

(4) The last determination made by the department of revenue of the full value of the taxable property in any municipality, including cities with territory attached for school purposes, under this section or s. 70.57 or 121.06 (1), shall be the value of such property as equalized for state purposes.

(5) (a) When the last determination made by the department of revenue of the full value of the taxable property in a city authorized to issue bonds for school purposes, including territory attached to such city for school purposes, or in a school district or other municipality is not a true valuation of the taxable property therein because of change in the territory thereof, the department of revenue, upon application in writing by the clerk of such city or school district or other municipality, in such form as the department prescribes, shall increase or decrease the last determination in such amount as in the best judgment of the department makes proper adjustment for the change in territory and the resulting adjusted valuation shall thereupon constitute the value of the taxable property in such city, city and attached territory, school district or other municipality as equalized for state purposes.

(b) When a new city authorized to issue bonds for school purposes or a new school district or other municipality has been formed for which no determination of the full value of the taxable property therein, including territory attached for school purposes, has been made by the department of revenue, upon application in writing by the clerk of such city, school district or other municipality, in such form as the department prescribes, it shall determine according to its best judgment from all sources of information available to it the full value of the taxable property in such city, city and attached territory, school district or other municipality which valuation shall thereupon constitute the value of the taxable property in such city, city and attached territory, school district or other municipality as equalized for state purposes.

(6) The department of revenue may certify to the clerk of any city authorized to issue bonds for school purposes, or of any school district, or of any other municipality, the full value of the taxable property of such city, including territory attached for school purposes, or school district or other municipality as equalized for state purposes, when such valuation is requested for use in connection with the borrowing of money by such city, school district or other municipality.

(7) For the purposes of indebtedness school districts which in successive years operate all grades to tenth, eleventh and twelfth as provided in s. 121.84 (3) shall be considered school districts offering no less than grades one to 12.

67.035 Tax limitations not applicable to debt levies. All taxes levied or to be levied by any municipality proceeding under this chapter for the purpose of paying principal and interest on valid bonds or notes now or hereafter outstanding shall be and the same are hereby declared to be without limitation notwithstanding any legislative limitation now or heretofore existing, and all such limitations are hereby repealed in so far as they apply to taxes levied or to be levied to pay principal and interest upon such bonds or notes.

67.04 Purposes and specific limitations of bond issues. Municipalities are empowered to borrow money, subject to the general limitation of amounts prescribed by section 67.03, and subject in some specific cases to the further limitations prescribed by this section, and to issue bonds therefor, for the purposes enumerated in this section. Such bonds may be issued:

(1) By any county:

(a) To acquire sites, to equip and otherwise generally provide joint county teachers college buildings, county buildings, including county poorhouses, county hospitals, county hospitals or asylums for the insane, county tuberculosis sanatoriums, county workhouses, university of Wisconsin extension centers, state university branch campus and new collegiate institutions or research facilities, if their operation has been approved by the board of regents, and houses of correction; but all outstanding unpaid bonds for these purposes shall not exceed in amount at one time 4% of the last equalized value of taxable property in such county for state taxes made by the department of revenue under s. 70.57.

(b) In counties having a population of two hundred fifty thousand or more, to provide sites and buildings for the institutions and departments mentioned in section 46.21, and to furnish and equip them for use.

(c) To provide a sum not exceeding in amount one per centum of the value of the taxable property in the county for the original construction and for the improvement and maintenance of highways.

(d) To construct, acquire or maintain, or to aid in constructing, acquiring or maintaining, a bridge over or across any stream or other body of water bordering upon or intersecting any part of the county, including, without limitation because of designation, a bridge project eligible to construction under section 84.11 (1) (a) or (b) or under 84.12 (1) (a) or (b); provided that nothing herein shall be construed to prevent any county from proceeding under sections 67.13 and 67.14 where applicable.

(e) To pay an authorized subscription to the capital stock or mortgage bonds, or both, issued by any railroad company.

(f) Except in counties having a population of 500,000 or more, to aid the county road and bridge fund; but all outstanding unpaid bonds for such aid shall not exceed in amount at one time one percentum of the value of the taxable property in the county.

(g) To finance the cost of any dock wall, shore protection wall or dam, as authorized by ss. 30.34 (2) and 31.38.

(h) To acquire land for county parks and to improve the same.

(i) For the purpose of raising funds for one or more of the purposes specified in section 45.05 or 45.055.

(j) In counties having a population of less than 500,000: for dredging, docking, and other permanent river or harbor improvements; or to acquire the necessary sites for, and to construct and maintain thereon, public docks, wharves and approaches.

(k) To acquire sites for airports or landing fields and to construct hangars, buildings, runways and other equipment and appurtenances necessary for the operation and maintenance of same, either alone or jointly with a city, village or town.

(m) To provide relief and assistance to those in need.

(n) To raise a fund for the purpose of enabling the county to carry delinquent tax certificates.

(o) In counties having a population of two hundred fifty thousand or more, to provide for the acquisition of property, the construction of buildings and public works and the payment of expenses incurred in the exercise of powers and functions conferred by section 59.083 relating to the consolidation of municipal services in such counties.

(p) To refund a prior indebtedness of any county in any case whether or not such indebtedness was created for a purpose for which county bonds might have been issued in the original instance; provided, the time for payment shall not be extended beyond the period authorized in this chapter.

(q) To provide for the erection, repair, improvement, construction or other acquisition, equipment or furnishing of joint county and city buildings for a courthouse, city hall, hospital, armory, library, auditorium or music center, municipal center, or any combination thereof; to acquire the site therefor; and to execute, authorize, and do all things necessary to secure financial aid and co-operation of the federal government in the undertaking, construction, maintenance and operation of any such project.

(qm) To acquire sites and to erect or acquire and to improve and equip buildings or additions to buildings to be used as county libraries under s. 43.52 or 43.64 except in counties having a population of 500,000 or more.

(r) To provide funds for acquiring land by purchase or condemnation and constructing thereon or upon lands otherwise acquired by the county, various types of housing to be sold or rented, upon such terms as the county board may authorize, to honorably discharged members of the armed services of the United States who served in any of its wars and who at the time of induction into such service were residents of such county.

(s) To acquire sites; to prepare, carry out, acquire, lease and operate housing projects for honorably discharged members of the armed services of the United States who served in any of its wars and who at the time of induction into such service were residents of such county and their families and dependents; to provide for the construction, reconstruction, improvement, alteration and repair of any such housing project or any part thereof.

(t) In counties having a population of 500,000 or more, to acquire land and improve the same by the construction of a county stadium, swimming pools or other recreational facilities and all necessary appurtenances therefor.

(u) In counties having a population of 500,000 or more, to acquire sites and to improve the same by construction of housing facilities with all necessary furnishings and appurtenances therefor to rent to low-income residents of such county.

(v) In counties having a population of 500,000 or more to acquire lands and improvements thereon and any and all interests of whatever nature and by whomsoever owned therein, by purchase, condemnation or otherwise for the necessary right of way for expressways, and to provide for the construction or reconstruction of a comprehensive expressway system. For the purposes of this paragraph the term "expressway" is as defined in s. 59.965 (1) (a) and also includes the cost of acquisition and construction of the land, roadways and structures necessary to permit access to, over and under such expressway and further includes such part of the cost of the necessary work of relocating and reconstructing of utility and railroad services disrupted in the construction of such expressway as the county may be required to pay. Section 67.10 (4) shall not apply to any bond issue authorized and sold under this paragraph. Such bond issues shall be exempt from the requirements in s. 67.11 (1) (e), that not less than 5 per cent of the original indebtedness shall be annually deposited in the sinking fund. Such bonds may be issued without a referendum.

(w) To acquire lands and improve the same by providing facilities including but not limited to the construction of incinerators, compost plants, transfer stations, recycling or processing plants and sanitary landfills for the management of solid wastes and the disposal of waste as defined in s. 59.07 (135).

(x) To acquire sites for parking lots and to construct buildings and other equipment and appurtenances necessary for the operation and maintenance of the same.

(y) To acquire sites for and to erect, acquire, add to, improve and equip buildings to be used as instructional centers or special schools for handicapped children under subch. IV of ch. 115; but taxes for the payment of principal of and interest on such bonds shall be levied only against such taxable property in the county which, at the time of the adoption of the initial resolution authorizing such bonds, was included in the county's program for handicapped children under subch. IV of ch. 115, or which thereafter shall be so included.

(2) Cities shall not borrow money or issue bonds therefor for any purpose except only those specified in this subsection, and subject to the general limitation of amounts prescribed by section 67.03, namely:

(a) For the erection, construction, enlargement or repair of a city hall or other public buildings and the purchase of sites for the same; or for the purchase of voting machines.

(b) For the purchase or erection of new school buildings, or additions to old buildings or to purchase school sites, school transportation vehicles or school equipment for the purpose of providing for the educational requirements of the city including territory attached to such city for school purposes; to acquire sites and erect or enlarge buildings thereon, and to equip such new or old buildings for parental schools; and to do renovating, remodeling and repairing of existing buildings.

(c) For the purchase of sites for engine houses; for fire engines and other equipments of the fire department; for construction of engine houses; and for pumps, water mains, reservoirs and all other reasonable facilities for fire protection.

(d) For the purchase of sites for police stations and for the construction of buildings thereon for the use of the police department.

(e) For the construction and extension of waterworks plants, or the purchase of existing plants; construction and improvement of water mains, sewers and drains; construction and improvement of flushing tunnels, with buildings, equipment and machinery for operating the same; to provide the protection, planning, construction and establishment of a sewage disposal plant or system; or for the erection and construction or enlargement of garbage disposal plants or refuse or rubbish disposal plants or any combination of plants provided under this section and to purchase sites for the same.

(f) To construct, acquire, enlarge, extend or maintain any plant or equipment, or any part of a plant or equipment for the production, transmission, delivery or furnishing of heat, light, or power, either directly or indirectly, to or for the public; to enlarge or extend such plants or equip any part thereof; or to acquire street railway property.

(g) To purchase or acquire any public utility, street railway, motor bus or other systems of public transportation when it deems it necessary or desirable to raise the money for either of those purposes in the course of such acquisition, by proceedings had under ss. 193.33 to 193.46, or under ss. 196.01 to 197.10; but this paragraph shall not be construed as an amendment of any of said sections nor as impairing, altering or affecting the powers of the public service commission in any such proceeding.

(h) For the purchase of lands for city markets and the construction of market buildings thereon; or for the construction of public baths and hospitals and the purchase of sites for the same.

(i) For the erection, construction and equipment of library and museum buildings and the purchase of sites for the same; to provide for the erection and equipment of auditoriums and music halls; or to acquire sites, erect buildings thereon, and equip them for use as art museums, or to purchase existing art museums.

(j) To acquire land, including submerged land, and to fill in and improve the same for the purpose of providing public parks and park buildings, public drives, boulevards and cemeteries, and to construct the necessary buildings, revetments and retaining walls therefor; and also to provide swimming pools, stadiums or other recreational structures, either in parks or elsewhere.

(k) For the purpose of widening streets, creating boulevards and parkways, and to establish civic and municipal centers, playgrounds and reservations in and about and along and leading to any or all of the same, with authority, after the establishment, layout and completion of such improvements, to convey any such real estate thus acquired and not necessary for such improvements, with reservations for the future use and occupation of such real estate, so as to protect such public works and improvements and their environments and preserve the view, appearance, light, air and usefulness of such public works.

(l) To pay the cost of laying out, opening or widening streets; to provide street improvements; to create either a revolving or a temporary fund out of which to advance the cost of any work for which special assessments may be levied, in anticipation of the collection by the city treasurer of the special assessments, special improvement certificates, special improvement bonds, contractor's certificates, general obligation-local improvement bonds, or special assessment B bonds made or issued for the cost thereof; or to pay the city's portion of the cost of abolishing grade crossings.

(m) For construction of viaducts and bridges and for the acquisition of rights of way for the same; to construct, acquire or maintain, or to aid in constructing, acquiring or maintaining a bridge over or across any stream or other body of water bordering upon or intersecting any part of the city which shall constitute a bridge project eligible to construction under section 84.11 (1) (a) or (b) or 84.12 (1) (a) or (b); to purchase toll bridges and their approaches; or to build, purchase and maintain, or to aid in building, purchasing or maintaining a bridge located or to be located as specified in section 1320, statutes of 1921.

(n) For dredging, docking and other permanent river or harbor improvements; to finance its share of the cost of federal flood control projects; to finance the cost of any dock wall, shore protection wall or dam, as authorized by ss. 30.34 (2) and 31.38; or to acquire the necessary sites for, and to construct and maintain thereon, public docks, wharves and approaches.

(o) For the purpose of raising funds for one or more of the purposes specified in section 45.05 or 45.055.

(p) To purchase, construct, maintain and operate telephone lines and exchanges; or to aid in such construction; but the amount of bonds issued for such aid shall not exceed one-half of the entire cost of the lines and exchanges described in the proposal or request for aid.

(q) To pay an authorized subscription to the capital stock or mortgage bonds, or both, issued by any railroad company.

(r) To refund a prior indebtedness of any city in any case whether or not such indebtedness was created for a purpose for which general municipal bonds might have been issued in the original instance; provided, the time for payment shall not be extended beyond the period authorized in this chapter.

(s) To acquire sites for airports or landing fields and to construct hangars, buildings, runways and other equipment and appurtenances necessary for the operation and maintenance of same, either alone or jointly with a county, village or town.

(u) As provided by subsection (13) of section 62.23.

(v) To refund securities heretofore or hereafter issued pursuant to section 66.066 as the same now exists or as it may be hereafter amended.

(w) To provide for the erection, construction or other acquisition, equipment or furnishing of joint city and county buildings for a courthouse, city hall, hospital, armory, library, auditorium and music center, municipal center, or any combination thereof; to acquire the site therefor; and to execute, authorize, and do all things necessary to secure financial aid and co-operation of the federal government in the undertaking, construction, maintenance and operation of any such project.

(x) To refund any or all of a deposit made pursuant to paragraph (b) of subsection (9) of section 157.11.

(y) To acquire sites for municipal parking lots and to construct buildings and other equipment and appurtenances necessary for the operation and maintenance of the same.

(z) To provide or assist in providing for the elimination or removal of railroad grade crossings and the elimination or relocation of railroad switch yards, railroad roundhouses and railroad terminals.

(zm) To acquire sites; to prepare, carry out, acquire, lease and operate housing projects for honorably discharged members of the armed services of the United States who served in any of its wars and who at the time of induction into such service were residents of the county in which the municipality is located and their families and dependents; to provide for the construction, reconstruction, improvement, alteration and repair of any such housing project or any part thereof.

(zn) To acquire sites; to prepare, to carry out, acquire, lease, construct and operate housing projects for families displaced under ss. 66.40 to 66.43 and for families displaced by reason of any street widening, expressway or other public works project causing the demolition of dwellings; to provide for the construction, reconstruction, improvement, alteration and repair of any such housing project or any part thereof; to acquire land for housing redevelopment projects and for the clearance of slum and blighted areas; and to acquire sites; to prepare, to carry out, acquire, lease, construct and operate any housing projects authorized under ss. 66.40 to 66.43; and to provide financial assistance to blight elimination, slum clearance, redevelopment and urban renewal programs and projects under ss. 66.43, 66.431 and 66.435.

(zo) To acquire and develop sites for industrial purposes to the extent permitted by ss. 66.52 and 66.521; also to acquire sites for industry and commerce as will expand the municipal tax base.

(zp) To provide for the construction, remodeling, expansion, acquisition or equipping of land, buildings and facilities for a University of Wisconsin extension center or state university branch campus, if the operation of it has been approved by the board of regents.

(4) Villages shall not borrow money or issue bonds for any purpose except only for the following purposes and subject to the general limitation of amounts prescribed by section 67.03.

(a) For any purposes for which a city having a population of less than 500,000 is authorized to issue bonds pursuant to subsection (2), under the circumstances and subject to the limitations therein expressed, and except that the word "city" as used in subsection (2) shall be deemed to include the word "village" for the purposes of this paragraph.

(d) To acquire lands for the purpose of procuring the removal of railroads from any portion of such village; but the consideration received from the sale of the lands so acquired shall be paid into the sinking fund for said bond issue, as provided in section 67.11.

(5) By any town:

(a) To purchase voting machines.

(b) To purchase or build a town hall or other building for the use of the town as provided in section 60.18 (9).

(d) To provide any sum within its constitutional limitation of indebtedness for building roads and bridges.

(e) To construct, acquire or maintain, or to aid in constructing, acquiring or maintaining a bridge over or across any stream or other body of water bordering upon or intersecting any part of the town, including, without limitation because of designation, a bridge project so located which is eligible to construction under section 84.11 (1) (a) or (b) or under 84.12 (1) (a) or (b).

(f) To finance the cost of any dock wall, shore protection wall or dam, as authorized by ss. 30.34 (2) and 31.38.

(g) To purchase, construct, maintain and operate telephone lines and exchanges or to aid in such construction; but the amount of bonds issued for such aid shall not exceed one-half of the entire cost of the lines and exchanges described in the proposal or request for aid.

(h) To pay an authorized subscription to the capital stock or mortgage bonds, or both, issued by any railroad corporation.

(i) To purchase or acquire public utilities or street railways when it is deemed necessary or desirable to raise money for either of those purposes in the course of such acquisitions, under sections 193.33 to 193.46, or under chapter 197; but this paragraph shall not be deemed an amendment of any of said sections, nor shall it impair, alter or affect the powers of the public service commission in any such proceedings.

(j) To purchase land under the circumstances mentioned in subsection (15) of section 60.18.

(k) For the purpose of raising funds for one or more of the purposes specified in section 45.05 or 45.055.

(l) To construct, acquire, or maintain, or to aid in constructing, acquiring or maintaining a free bridge over a navigable or meandered stream bordering on or intersecting the town, which necessarily will be more than 475 feet long, exclusive of approaches, when located by the highway commission pursuant to s. 84.11.

(m) To purchase sites for docks and to construct and maintain such docks, and to improve harbors; provided that the town board of such town has been constituted a "Dock and Harbor Board".

(n) To acquire sites for airports or landing fields and to construct hangars, buildings, runways and other equipment and appurtenances necessary for the operation and maintenance of same, either alone or jointly with a county, city or village.

(p) To pay any existing indebtedness, or to refund a prior indebtedness, including judgments, of any town, in any case, whether or not such indebtedness was created for a purpose for which general municipal bonds might have been issued in the original instance; provided, the time for payment shall not be extended beyond the period authorized by this chapter.

(q) For the purposes specified in subsection (2) (l) of this section.

(r) For the purchase of sites for engine houses; for fire engines and other equipments of the fire department; for construction of engine houses; and for pumps, water mains, reservoirs and all other reasonable facilities for fire protection.

(6) By any vocational, technical and adult education district, common school district, union high school district, unified school district, whether any such district is joint or otherwise, or by any board of education, by whatever name designated, which is especially authorized to issue bonds, or by any city authorized to issue bonds for school purposes because of inclusion in a city school district whether the city school district is joint or otherwise: to purchase, erect or improve school buildings, teacherages or bus garages, to acquire schoolhouse, teacherage or bus garage sites or school playgrounds, to acquire sites and erect or enlarge buildings thereon for vocational, technical and adult education district schools or for use by the vocational, technical and adult education district board and to equip such buildings with heat, light, ventilation or other necessary apparatus; to purchase school transportation vehicles; to refund indebtedness heretofore contracted; to construct at schools without the limits of cities and villages safety zones and necessary connecting ways or roads to the public highway required by s. 118.09; but no issue of bonds for purchasing a schoolhouse site, a teacherage site, or a school playground, or for purchasing or erecting a teacherage, or for purchasing school transportation vehicles, shall exceed $25,000, except in counties containing a population of 150,000 or more, where the limit of indebtedness that may be incurred for the acquisition of a schoolhouse site or addition thereto, is any sum not in excess of an amount certified by the governing body of the town, village or city in which the site is situated as reasonable and necessary for that purpose; and provided that any school district

whose territory consists of a city of the 4th class or of a city of the 4th class and a part or the whole of any adjoining town or towns may borrow and issue bonds therefor up to 10% as to any such school district offering no less than grades 1 to 12 and which is at the time of incurring the indebtedness eligible for the highest level of school aids, and as to any other such school district up to 5%, and as to vocational, technical and adult education districts up to 2%, of the value of its taxable property as equalized for state purposes for the purpose of purchasing schoolhouse sites and the construction and equipment of schoolhouses. Any such school district or city including within its boundaries territory of a former school district may issue bonds to refund the unpaid principal amount of promissory notes issued by such former school district to the extent that such notes have been assigned to it under s. 66.03. Such bonds may be issued without an election and shall bear interest at a rate or rates not exceeding that borne by the notes refunded.

(7) By any common school district, unified school district or vocational, technical and adult education district, by the board thereof: to purchase the school property, including vocational school property, of a city or village therein upon the abolition of a city school district or common school district, or upon creation of a unified school district or upon the reorganization of vocational, vocational and adult, or vocational, technical and adult schools. Such bonds shall not be subject to a referendum.

(8) By any county, town, city or village, to acquire, develop, remodel, construct and equip land, buildings and facilities for regional projects, either alone or acting jointly under s. 66.30.

(9) By any municipality to provide a sum not exceeding the amount of all funds belonging to such municipality which have lawfully been deposited in a bank, and which are not available to such municipality because such bank has been placed in the hands of the commissioner of banking or is operating under a stabilization and readjustment agreement approved by the commissioner, or because such bank has sold a part or all of its assets to another bank which has agreed to pay a part or all of the deposit liability of such selling bank on a deferred payment basis, or because such bank, being a national bank, has been placed in the hands of the comptroller of the currency or is operating under a stabilization and readjustment agreement approved by the investment board.

(11) By any municipality to refund any of its bonds or other indebtedness which by their terms are subject to redemption before maturity; or to refund any of its bonds prior to maturity pursuant to agreement with the holders thereof provided that no refunding bonds issued to refund called bonds or unmatured bonds shall bear interest at a rate in excess of that borne by the original bonds being refunded. Refunding bonds shall be sold for not less than par and accrued interest or such bonds may be delivered to the holder or holders of the bonds or coupons to be refunded in exchange therefor on a basis of par for par. The initial resolution adopted by the governing body of any such municipality shall not be submitted to the electors unless within thirty days after the recording thereof there shall be filed with the clerk of such municipality a petition requesting such submission, signed by electors numbering at least ten per cent of the votes cast in such municipality for governor at the last general election. If such petition is filed proceedings shall be had as then provided by the pertinent provisions of this chapter.

(12) (a) By any school district whenever the aggregate maturities of principal and interest on previous indebtedness in any calendar year exceed $3.33 1/3 for each $1,000 of its assessed valuation as determined during the preceding year. Bonds maturing in such year may be refunded in the manner provided by par. (b) in an amount not exceeding the difference between such aggregate maturities of principal and interest and a sum equal to $3.33 1/3 for each $1,000 of its assessed valuation as determined during the preceding year. The provision of this paragraph shall not affect or repeal any law authorizing the refunding of bonds by school districts but shall be supplemental thereto. In the issuing of refunding bonds under this paragraph, a school district shall proceed as provided by par. (b).

(b) The initial resolution adopted by the governing body of any such municipality shall not be submitted to the electors unless within 30 days after the recording thereof there is filed with the clerk of such municipality a petition requesting such submission, signed by electors numbering at least 10 per cent of the votes cast in such municipality for governor at the last general election. If such petition is filed proceedings shall be had as provided by s. 67.05 (4), (5), (6) or (6a).

(13) By any county, city, village or town to acquire sites for golf courses, to improve and equip the same and to construct thereon a clubhouse and any other necessary construction for the operation of a golf course and clubhouse.

(15) By any county, village or town to purchase school transportation vehicles.

(16) By any metropolitan sewerage district established under ss. 66.20 to 66.26 to acquire, develop, remodel, construct and equip land, buildings and facilities for the purposes of ss. 66.20 to 66.26.

History: 1971 c. 130; 1971 c. 152 s. 38; 1971 c. 154, 276.

67.045 Bonds, unexpended proceeds. Whenever any bonds shall have been authorized before June 7, 1923 by vote of the electors of any city, however incorporated, for the purpose of widening streets, the council of such city may by ordinance direct that the unexpended residue of the proceeds of any such bonds may be expended for laying out and widening streets other than those streets for which the bonds were authorized, or to acquire land and to improve the same for the purpose of providing public squares, driveways or boulevards. This section shall not apply to any bonds sold prior to said date.

67.05 Bond issues; procedure. (1) INITIAL RESOLUTION BY GOVERNING BODY. The governing body of any municipality about to issue bonds pursuant to this chapter is required, except where initial action has already been taken by electors under subsection (2), to adopt a resolution stating the amount, or a sum not to exceed a stated amount, and purpose or purposes, which must not conflict with the limitations imposed upon such municipality by sections 67.03 and 67.04; and such other and further matters as the governing body may deem necessary or useful. A resolution for an issue of bonds to provide payment for an authorized subscription to the capital stock or mortgage bonds, or both, of a railroad company, shall embody a copy of the application for such issue required by subsection (8). A resolution for an issue of bonds to provide for the purchase or erection of a telephone line or exchange shall embody a copy of the proposition required by subsection (9). And a resolution for the issue of bonds to provide a free bridge, pursuant to section 84.11, shall embody a copy of the findings required by said section to be filed by the highway commission.

(2) INITIAL RESOLUTION BY ELECTORS. (a) The electors of any town, common school district, union high school district, whether such district is joint or otherwise, or of any municipality other than a county, a city, a village, a vocational, technical and adult education district or a board of park commissioners, may at any annual meeting, or at a special meeting of such electors called for the purpose, adopt the initial resolution prescribed by sub. (1) without any prior adoption thereof by the governing body of such municipality. The vote in such case shall be made by ballot in substantially the following form:

FOR BONDS ☐ AGAINST BONDS ☐

(b) The electors of a city may adopt the initial resolution prescribed by sub. (1) in the manner provided by s. 9.20.

(3) INITIAL RESOLUTION, HOW ADOPTED. Every initial resolution in and for a city shall be offered and read at a regular meeting of the city council, shall be published as a class 2 notice, under ch. 985, during the 60 days next following such reading, and shall be invalid for any purpose unless supported by the affirmative vote of at least two-thirds of all of the members of the council, or, in the case of a city issuing school bonds and having territory attached for school purposes only, by two-thirds of all the votes provided by the formula under s. 120.50 (2), taken at a regular meeting held after such publication, and within said 60 days; and every initial resolution adopted by the governing body of any municipality, other than a city, shall be invalid for any purpose unless supported by the affirmative vote of at least a majority of the members-elect of such governing bodies, except that a two-thirds vote of the members-elect of a county board shall be required. Every such vote by a county board shall be taken at an annual, or an adjourned annual or a special meeting thereof; and every such vote by any governing body, other than a city council or a county board, shall be taken at a meeting attended by all of its members-elect, or, if any such member is not present, proof by the affidavit of a present member must be made and recorded, showing that the absent member or members were notified of the time, place and purpose of the meeting at least 24 hours before such time.

(4) PERMISSIVE REFERENDUM IN COUNTIES. Whenever an initial resolution has been adopted by a county board for an issue of county bonds to provide for the original construction or for the improvement and maintenance of highways, to provide railroad aid, or to construct, acquire or maintain, or to aid in constructing, acquiring or maintaining a bridge over or across any stream or other body of water bordering upon or intersecting any part of the county, the county clerk shall immediately record the same. He shall not submit the resolution for approval to the electors of the county at a special election unless within 30 days after the recording thereof there is filed with the county clerk a petition requesting such submission, signed by electors numbering at least 10% of the votes cast in the county for governor at the last general election. The calling,

holding and conduct of such special election, including the printing and the distribution of ballots, the canvass of votes, and the declaration of the result, shall be governed by those statutes, so far as applicable, which govern special elections in general, including ss. 5.01 (2), 5.64 (2) and 59.04 (2). The notice of such special election and the ballot used thereat shall embody a copy of the initial resolution, and the question submitted shall be whether the resolution shall be or shall not be approved. No such resolution of a county board other than those specified in this subsection need be submitted to county electors, except as provided otherwise in sub. (7).

(5) REFERENDUM IN TOWNS, VILLAGES AND CITIES. (a) Whenever an initial resolution has been so adopted by the governing body of a town, the clerk of such municipality shall immediately record the same and call a special election for the purpose of submitting the resolution to the electors of the municipality for approval. The calling, holding and conduct of such special election, including the furnishing of printed ballots, the canvass of votes, and the declaration of the result, shall be governed by those statutes, so far as applicable, which govern special elections in general, including ss. 5.01 (2), 5.02 (3), 5.35 (3), 5.60 (7), 5.64 (2), 7.15 (2) (d), 8.06, 9.20 and 60.13. The notice of such special election and the ballot used thereat shall embody a copy of the resolution, and the question submitted shall be whether the resolution shall or shall not be approved. The ballot may be a separate ballot, or may be printed upon the official ballot, when such special election is held at the same time as a regular town, village or city election. This subsection is limited in its scope by sub. (7).

(b) No city or village shall issue any bonds for any purposes other than for waterworks, lighting works, gas works, bridges, street improvements, street improvement funding, hospitals, airports, harbor improvements, river improvements, breakwaters and protection piers, sewerage, garbage disposal, rubbish or refuse disposal, any combination of sewage, garbage or refuse or rubbish disposal, parks and public grounds, swimming pools and band shells thereon, veterans housing projects, street railway property, or paying the municipality's portion of the cost of abolishing grade crossings, for the construction of police facilities and combined fire and police safety buildings, for the purchase of sites for engine houses, for fire engines and other equipment of the fire department, for construction of engine houses, and for pumps, water mains, reservoirs and all other reasonable facilities for fire protection apparatus or equipment for fire protection, school purposes, for libraries, for buildings for the housing of machinery and equipment, for the purposes set forth in s. 67.04 (2) (zo), for providing financial assistance to blight elimination, slum clearance, redevelopment and urban renewal programs and projects under ss. 66.43, 66.431 and 66.435, university of Wisconsin extension centers or state university branch campuses, or for refunding any of the bonds issued for any of the aforesaid purposes, or for bonds issued to refund securities originally issued pursuant to s. 66.066, until the proposition for their issue for the special purpose thereof has been submitted to the electors of such city or village and adopted by a majority voting thereon. Whenever the common council of any city or the village board of any village declares its purpose to raise money by issuing bonds for any purpose other than those above specified, it shall direct by resolution, which shall be recorded at length in the record of its proceedings, the clerk to call a special election for the purpose of submitting the question of bonding the city or village to the electors thereof. Such elections shall be noticed, conducted, canvassed and the result declared as provided in this subsection, except that the notice of such special election and the ballot used thereat need not embody a copy of the resolution, but shall contain a statement of the purpose and the amount of the bonds proposed to be issued.

(6) REFERENDUM IN OTHER CASES. Whenever an initial resolution has been so adopted by the governing body of any municipality whatsoever other than a county, a town, a city, a village, a vocational, technical and adult education district or a board of park commissioners, the clerk of such municipality shall immediately record the same and call a special meeting for the purpose of submitting the resolution to the electors of the municipality for ratification or rejection. The calling and conduct of such meeting shall be governed by those statutes, so far as applicable, which govern the calling and conduct of special meetings in general. The notice of the meeting, which shall be publicly read before the balloting shall commence, and the ballot used, shall embody a copy of the resolution; the form of the ballot shall correspond, as near as may be, with form "D" annexed to s. 5.64 (2); and the question submitted shall be whether the resolution shall be approved.

(6a) SCHOOL DISTRICT BONDS, REFERENDUM. Subsections (2) (a) and (6) shall not apply to the issuing of bonds or the borrowing of money in excess of $5,000 by any school district which includes within its territory all or a part of a village, or a city of the 3rd or 4th class, or the territory of which is coterminous with that of a county containing no cities or villages but in all such cases the procedure shall be as follows:

(a) Whenever the board of any such district, or the electors thereof at a regularly called school meeting, by a majority vote adopt a resolution to raise an amount of money in excess of $5,000, by a bond issue or a loan other than loans made according to the authority granted in s. 67.12 (12), the board shall direct its clerk to call a special election for the purpose of submitting the same to the electors for approval or rejection, and the board may specify that such election be held on the next succeeding regularly scheduled primary or regular municipal election in the manner provided in sub. (6b).

(b) Notices containing a statement of the purpose of such special election, giving the amount of money proposed to be raised, the purpose for which it is to be used, and the means by which it is to be raised, and stating the time and place of holding such election and the hours of its opening and closing, shall be published at least twice one week apart in some newspaper published in said school district, if there be one; if there be none, the clerk shall post or cause to be posted such notices at least fifteen days before the date set for such election in at least ten public places in said district.

(c) Such election shall be held and conducted and the votes cast thereat counted, canvassed and returned as at annual town elections. The polls thereat shall be open at 7 a. m. and be closed at 8 p. m.

(d) The school board shall provide all necessary election supplies, ballot boxes and booths and select the necessary election officials. The form of the ballot provided shall correspond as near as may be with form "D" annexed to s. 5.64 (2). The notice of such special election and the ballot used thereat, shall embody a copy of the resolution, and the question submitted shall be whether the resolution shall be or shall not be approved.

(e) Nothing in this section shall be construed to apply to borrowing by school boards to meet immediate expenses pursuant to subsection (8) of section 67.12, nor to require a referendum in such cases.

(6b) SCHOOL DISTRICT BOND REFERENDUM AT MUNICIPAL ELECTION. When a school board directs under sub. (6a) (a) that a referendum election be held on the next succeeding regularly scheduled municipal election as provided in this subsection:

(a) Subsection (6a) (b) and (e) shall apply.

(b) The school board shall provide the election officials of the town, city and village in which the school district lies with all necessary election supplies, and registration lists if the district has a register of its electors, except when registration with the municipal clerk is required for voting at such election. The municipal clerk shall then arrange for the voting on the bond referendum. The form of the ballot shall correspond substantially with form "D" annexed to s. 5.64 (2). The notice of the election and the ballot to be used thereat shall embody a copy of the resolution, and the question submitted shall be whether the resolution shall be or shall not be approved.

(c) The election shall be held and conducted and the votes cast thereat counted and canvassed as in other matters voted upon in the city, village or town and the results certified forthwith to the clerk of the school district.

(6m) HEARING AND REFERENDUM IN VOCATIONAL, TECHNICAL AND ADULT EDUCATION DISTRICTS. Prior to the adoption of an initial resolution under sub. (1), the board of a vocational, technical and adult education district shall adopt a resolution stating its intention to borrow money for the purposes specified in s. 38.16 (2) and setting a date, time and place for a public hearing on the resolution which shall be held within 30 days of the adoption of such resolution. The vocational, technical and adult education district secretary immediately shall publish a copy of such resolution as a class 1 notice, under ch. 985.

(a) A resolution adopted by a vocational, technical and adult education district board for an issue of bonds in an amount of money not exceeding $100,000 for purposes specified in s. 38.16 (2) need not be submitted to the electors of the district for approval. A resolution adopted by a vocational, technical and adult education district board for an issue of bonds in an amount of money in excess of $100,000 for purposes specified in s. 38.16 (2) need not be submitted to the electors of the district for approval, unless within 30 days after the resolution is adopted there is filed with the vocational, technical and adult education district secretary a petition signed by 1,000 electors in the district requesting a referendum thereon. Any resolution adopted under sub. (1) at the discretion of the district board, may be submitted to the electors without waiting for the filing of a petition.

(b) If a referendum is to be held on a resolution, the district board shall direct the vocational, technical and adult education district secretary to call a special election for the purpose of submitting the resolution to the electors for a referendum on approval or rejection. In lieu of a special election, the district board may specify that the election be held at the next succeeding spring primary or election or September primary or general election.

(c) The secretary shall publish a class 2 notice, under ch. 985, containing a statement of the purpose of the referendum, giving the amount of the bonds proposed to be issued and the purpose for which they will be issued, and stating the time and places of holding the election and the hours during which the polls will be open.

(d) The board shall provide the election officials of each city, village and town having territory in the district with all necessary election supplies, and, for a special election, shall provide or arrange for the necessary ballot boxes and booths and select the necessary election officials. The form of the ballot shall correspond substantially with form "D" annexed to s. 5.64 (2). The ballot need not embody a copy of the resolution, but shall contain a statement of the purpose and the amount of the bonds proposed to be issued.

(e) The election shall be held and conducted and the votes cast thereat counted and canvassed as at regular municipal elections and the results certified to the vocational, technical and adult education district secretary. A majority of all votes cast in the district shall decide the question.

(7) REFERENDUM, WHEN REQUIRED BY ELECTORS, WHEN NOT PERMITTED. (a) An initial resolution adopted by a county board for an issue of bonds to provide a memorial for soldiers, sailors and marines, shall not be submitted to the electors unless within thirty days after the recording thereof there shall be filed with the county clerk a petition requesting such submission, signed by electors numbering at least ten per cent of the votes cast in the county for governor at the last general election. If such petition be filed, proceedings shall be had as provided by subsection (4).

(b) An initial resolution adopted by the common council of any city for an issue of bonds for purposes specifically enumerated in sub. (5) need not be submitted to the electors under sub. (5), unless within 30 days after the recording thereof there shall be filed in the office of the city clerk a petition requesting such submission, signed by electors numbering at least 10% of the votes cast for governor in the city at the last general election or in the case of adoption by the common council of an initial resolution for an issue of bonds for school purposes for a joint city school district, the number of electors required on the petition shall be at least 10% of the votes cast for governor in the school district in the last general election, as determined under s. 115.01 (13). If such petition is filed, proceedings shall be had under sub. (5). But any such resolution may, in the discretion of the city council, by separate recorded resolution, be submitted to popular vote without waiting for the filing of the petition.

(c) An initial resolution adopted by the common council of a city for an issue of bonds for paying the city's portion of the cost of abolishing grade crossings, shall not be submitted to popular vote.

(cc) An initial resolution adopted by the school board of a common school district or unified school district for the purpose of purchasing the school property or vocational school property of a city therein which formerly operated a city school district shall not be submitted to a referendum vote.

(d) Whenever the purpose for which any municipality proposes to issue bonds is required by law to be approved by a vote of its electors, such a vote in favor of the issue for that express purpose shall be construed as an approval of the purpose by the electors; and the question of approving the purpose need not be separately submitted.

(e) An initial resolution adopted by the governing body of a city or village for an issue of bonds to create a revolving fund out of which to advance the cost of any work for which special assessments may be levied, in anticipation of the collection by the city or village treasurer of the special assessments, special improvement certificates and improvement bonds, made or issued for the cost thereof, need not be submitted to the electors as provided in sub. (5), unless within 30 days after the recording thereof there shall be filed in the office of the city or village clerk a petition requesting such submission, signed by electors numbering at least 10 per cent of the votes cast for governor in the city or village at the last general election. If such petition be filed, proceedings shall be had as provided by sub. (5). Any such resolution may, in the discretion of the city council or village board, by separate recorded resolution, be submitted to popular vote without waiting for the filing of said petition.

(f) An initial resolution adopted by any county, town, city or village for the purpose of acquiring, developing, remodeling, constructing and equipping land, buildings and facilities for regional projects, either alone or acting jointly under s. 66.30, shall not be subject to a referendum.

(8) APPLICATION FOR RAILROAD AID BONDS. Whenever any railroad company shall desire a subscription to its stock or mortgage bonds, or both, it shall deliver to the clerk of the county, town, village or city from which said aid is desired a definite proposition in writing, signed by the president and secretary thereof, and sealed with its seal, which shall be, if accepted, irrevocably binding on such company, which proposal shall state the amount of municipal

bonds desired in payment of such subscription, the time and place of payment thereof, whether payable before maturity at the option of such municipality, the rate of interest they shall bear, when they shall be delivered with reference to the time of the complete construction of such railroad from point to point, and within what time such road shall be so constructed to entitle the company to such bonds or any instalment thereof. Said proposition shall also state that in consideration of such municipal bonds the railroad company will issue to such municipality such number of the shares of its capital stock or such of its mortgage bonds, or partly of the one and partly of the other, as will at their par value be equal to the principal sum of such municipal bonds; and shall propose that such municipal bonds and such stocks or bonds, or both, of such railroad company shall be deposited in escrow with some trustee or trustees to be named, to be delivered to the proper parties when and as the conditions of such agreement shall be complied with by the party entitled to the same thereunder. Every such proposition shall be accompanied by advance payment, or security for the payment, of the cost of printing and publishing the notices of the special election required by subsection (4) or subsection (5) and the cost of providing the ballots therefor. Thereupon the proposition shall be filed and recorded and may then be incorporated in a resolution as provided by subsection (1), or rejected, by the governing body.

(9) Application for telephone aid bonds. Every town, village and city is forbidden to issue any municipal bonds for the purchase or erection of telephone lines and exchanges unless a proposition setting forth the length, equipment and connections of the proposed line, the amount and denomination of the bonds desired, the rate of interest they are to bear, how, when and where said bonds and interest shall be payable, when said bonds shall be delivered with reference to the construction of the line from point to point or its final completion, when said line, if not then completed, shall be finished, and providing for escrow of the bonds if the parties so elect, pursuant to the terms of such proposition, shall first be filed with and recorded by the clerk of such municipality, and the same shall thereafter be adopted by its governing body as provided by subsection (1) and approved by its electors as provided by subsection (5). But no action shall be taken on any such proposition unless presented by a person, firm, company or corporation who has filed with the secretary of state a notice of intention to apply under the provisions of this section, together with a bond in such form and amount as in the secretary's judgment shall properly protect the interests of the community concerned.

(10) Direct, annual, irrepealable tax. The governing body of every municipality proceeding under this chapter shall, at the time of or after the adoption of an initial resolution in compliance with sub. (1) or (2), or, after the approval of such resolution by popular vote when such approval is required, and before issuing any of the contemplated bonds, levy by recorded resolution a direct, annual tax sufficient in amount to pay and for the express purpose of paying the interest on such bonds as it falls due, and also to pay and discharge the principal thereof at maturity. Taxes for the purpose of paying principal of and interest on bonds issued for school purposes by any city operating schools under subch. II of ch. 120 shall be levied against and apportioned to any property attached to such city for school purposes in the manner provided by s. 120.53. The municipality shall be and continue without power to repeal such levy or obstruct the collection of said tax until all such payments have been made or provided for. After the issue of said bonds such tax shall be from year to year carried into the tax roll of the municipality and collected as other taxes are collected, provided that the amount of tax carried into said tax roll may be reduced in any year by the amount of any surplus money in the sinking fund created pursuant to s. 67.11, and provided further that the municipality issuing said bonds may make an appropriation in advance of the authorization of such bonds to provide funds for payment of interest coming due on said bonds prior to the first collection of taxes levied for the payment thereof. The amount of such appropriation shall be based on estimates of the amount of bonds to be sold and the rate of interest such bonds will bear. Said appropriation shall not be used for any other purpose than that for which appropriated and any surplus in said appropriation shall be transferred to the general fund of the municipality. No further or annual levy for that purpose shall be necessary.

(11) Authority to borrow and issue bonds, when complete. Every municipality that has first complied with all the requirements prescribed for and made applicable to it by subs. (1) to (10), may, but not otherwise, borrow money and issue and sell or hypothecate its municipal bonds to the amount and for the purposes specified in the initial resolution.

(12) Record of proceedings. Every municipality shall provide and keep a separate record book or record books in which its munici-

pal clerk shall record a full and correct statement of every step or proceeding had or taken in the course of authorizing and issuing municipal bonds, or of incurring any other municipal obligation under the provisions of this chapter, including a statement of the number of affirmative and negative votes cast by electors.

(13) COMBINATION OF ISSUES. Bonds authorized under various initial resolutions may, in the discretion of the governing body, be combined into one issue and designated as "corporate purpose bonds". The resolution providing for such combination and the bond form for the combined issue shall separately itemize the amount being issued for each of the purposes provided by the underlying initial resolutions.

(14) REFERENDUM NOT REQUIRED FOR CERTAIN TEMPORARY BORROWING. This section shall not be construed to require, or at any time before July 9, 1955, to have required, the submission to the electors for approval of any borrowing under s. 67.12, the provisions of said s. 67.12 being controlling as to such borrowing.

History: 1971 c. 29; 1971 c. 154 ss. 41, 80; 1971 c. 211, 295.

Cross Reference: For petition for referendum by electors in territory attached for school purposes under (7) (b), see 120.45.

On a school bond referendum the whole process does not become illegal because the board of canvassers was improperly composed of 6 of the 7 school board members plus 3 city councilmen. Karker v. Board of Unified School Dist. 51 W (2d) 542, 187 NW (2d) 160.

67.06 Form and contents of bonds. Every municipal bond shall be a negotiable instrument payable to bearer, or, in case of bonds which are registerable, to bearer or the registered owner, with interest coupons attached payable annually or semiannually; shall bear interest at a rate not to exceed 8% per annum; shall specify the times and the place or places of payment of principal and interest; shall be numbered consecutively with the other bonds of the same issue which shall begin with number one and continue upward, or, if so directed by the governing body, shall begin with any other number and continue upward; shall bear on its face a name indicative of the purpose specified therefor in said resolution; shall contain a statement of the value of all of the taxable property in the municipality upon which the constitutional debt limit of the municipality is based, the aggregate amount of the existing bonded indebtedness of such municipality, that a direct annual irrepealable tax has been levied by the municipality sufficient to pay the interest when it falls due, and also to pay and discharge the principal at maturity; may contain a statement that the bond is callable with or without premium on conditions prescribed thereon; and may contain any other statement of fact not in conflict with said initial resolution. The entire issue may be composed of bonds of a single denomination or 2 or more denominations.

67.07 Maturity and place of payment. The principal of every sum borrowed and secured by an issue of municipal bonds may be made payable at one time in a single payment or at several times in 2 or more instalments; but every instalment, whether of principal or interest, shall be made payable not later than the termination of the 20 years immediately following the date of the bonds, if issued by a county, town, city or village, board of park commissioners, vocational, technical and adult education district or by any school district referred to in s. 67.04 (6), and not later than the termination of the 15 years immediately following February 1 next ensuing such date, if issued by any other municipality, except that when the bonds are issued in the acquisition of lands by a county having a population of 150,000 or over, for public, municipal purposes or for the permanent improvement thereof, all instalments of principal and interest shall be made payable within a period not exceeding 50 years from the time when the bonds become a municipal obligation. The terms of the bonds, when issued, shall comply with the initial resolution. A place without the state may be designated by the municipality for such payments.

History: 1971 c. 154.

67.08 Execution and negotiation. (1) Municipal bonds shall be executed in the name of and for the municipality issuing them by their qualified officers who shall, for that purpose, sign the same in their official capacities, as follows: For a county, the chairman of the county board and the county clerk; for a city, the mayor or the city manager and the city clerk; and such other officers as the governing body of the municipality may determine, except that the signature of the mayor may be engraved on said bonds; for a village, the president and the village clerk; for a town, the chairman and the town clerk; for any other municipality, the district clerk and director, or the president and clerk or secretary of the governing body. The facsimile signature of any of the officers executing a municipal bond may be imprinted thereon in lieu of the manual signature of such officer, but at least one of the signatures appearing on each bond shall be a manual signature. Bonds issued under this chapter bearing the signatures of officers in office on the date of the execution thereof as provided herein shall be valid and binding obligations, notwithstanding that before the delivery thereof any or all of the persons whose signatures appear thereon shall have ceased to be officers of the municipality issuing the same. Each bond issued by a municipality having an official or corporate seal shall be sealed with such seal. This subsection shall apply to mortgage revenue bonds under s. 66.066.

(2) The bonds of every municipality shall be negotiated and sold or otherwise disposed of for not less than 95% of the par value of the bonds, plus accrued interest to date of delivery by those officers who are required to execute such instruments, or by such other officers as the governing body may determine, except that refunding bonds shall not be sold for less than par and accrued interest to date of delivery. Notice of sale of bonds shall be published as a class 2 notice, under ch. 985, the last insertion to be at least 10 days before the sale, except that a county having a population of 250,000 or more or any municipality may sell its bonds without notice to itself for the account of any of the sinking funds for any of its bond issues or to any of its own boards administering funds as trustee or agency or any fund specified by s. 62.13 (9) (a) 3, (10) (c), 66.069 (1) (c) or 157.50 (6) or any other trust or reserve fund of such county or municipality. Such notice shall state the time and place where bids will be received together with the amount, purpose, maturities and maximum rate of interest to be borne by the bonds to be sold and any other details which may be deemed advisable by the officials conducting the sale.

(3) All bids received may be rejected, but in such case readvertisement in the manner hereinbefore provided shall be made prior to the sale of any of said bonds, unless said bonds are sold at private sale for not less than the highest bid received at the time set forth in the published notice.

(4) If, however, no bids are received for such bonds within the period prescribed in such notice of sale, then such officials are authorized to sell without further advertisement all or any part of such bonds at private sale at not less than 95 per cent of the par value thereof and accrued interest to date of delivery, except as to refunding bonds which shall not be sold for less than par and accrued interest.

(5) Such negotiation and sale, or other disposition, may be effected by a disposition from time to time of portions only of the entire issue when the purpose for which the bonds have been authorized does not require an immediate realization upon all of them.

67.09 Registration of bonds. (1) All municipal bonds issued by any municipality may be payable to bearer or may be registered as to the principal or principal and interest by the clerk of the municipality issuing them or such other officers as the governing body of the municipality determines. Registrations by municipal clerks or the other designated officers shall be recorded in a bond register.

(2) The holder of any bearer bond registerable as herein provided may have the ownership thereof registered by the officials named in sub. (1) as therein provided, and such registration noted on the bond by or on behalf of the municipality. After such registration, no transfer thereof shall be valid unless made on the records of the municipality by the registered owner in person or by his duly authorized attorney, and similarly noted on the bond, but the same may be discharged from registration by being in like manner transferred to bearer, and thereafter transferability by delivery shall be restored; but such bond may again be registered as to principal or as to principal and interest or transferred to bearer, as before. Registration only as to principal under this section shall not affect the negotiability of the appurtenant coupons, but every such coupon shall continue to be transferable by delivery merely and shall remain payable to bearer.

67.10 Fiscal and administrative regulations. (1) Money of the United States. All money borrowed by municipalities, and all money received in payment of any tax levied pursuant to subsection (10) of section 67.05, shall be lawful money of the United States; and all municipal obligations shall be payable in such money.

(2) Fiscal agents for cities. The common council of any city and the county board of any county indebted on account of outstanding municipal bonds is authorized, in its discretion, to appoint a fiscal agent located in some city within or without the state, or, if deemed convenient, two such agents, each in a different city. Every such fiscal agent shall be an incorporated bank or trust company authorized by the laws of the United States or of the state in which it is located to do a banking or trust company business. The treasurer of the city or county shall, when instructed so to do by written communication from the common council, or county board, deposit with such fiscal agent or agents such sums of money for the payment of the principal or interest of its said bonds as may be specified for that purpose in such communication.

(3) Borrowed money fund, source and use. All borrowed money shall be paid into the treasury of the municipality borrowing it, be en-

tered in an account separate and distinct from all other funds, disbursements charged thereto shall be for the purpose for which it was borrowed and for no other purpose, except as provided by s. 67.11, but including the reimbursement of a temporary advance from other funds of the municipality or the repayment of a temporary loan by the municipality if such advance or loan has been made in anticipation of the borrowed money and for the same purpose, and such disbursements shall be only upon orders or warrants charged to said fund and expressing the purpose for which they are drawn. Money in the borrowed money fund may be temporarily invested as provided in s. 66.04 (2).

(4) Time limit for sales and hypothecations. Except as provided otherwise by sub. (6) for cities of the 1st class every authorized municipal bond shall be sold or hypothecated within the 5 years next following the adoption, or the approval, when approval by popular vote is required, of the initial resolution authorizing its issue, except when such sale or hypothecation has been delayed by an action to determine the validity of the prior proceedings, in which case the period of such delay may be added to said 5 years.

(5) Anticipatory contracts in general. (a) After any municipality has provided, as required by subsection (11) of section 67.05, for an issue of bonds for a lawful purpose which can be accomplished only through performance of an executory contract by some other contracting party, such contract may be entered into before the actual execution, sale or hypothecation of the bonds with like effect as if the necessary cash for payments on the contract were already in the treasury.

(b) Any city having voted bonds at a special referendum election and having sold a portion thereof may negotiate, sell or otherwise dispose of the same in the manner provided by statute within nine years of the date of the election voting the same.

(6) Anticipatory contracts in cities of the first class. [*Not printed; see 1923 Stats.; 1925 c. 385 s. 7; 1929 c. 211]*

(7) Attorney's opinion on bond issue. In any city the officers charged with the negotiation and sale of its bonds may employ an attorney whose opinion, in their judgment, will be accepted by bond buyers as to the legality of bonds issued by the city to pass upon the legality of any bonds issued by the city and pay a reasonable compensation therefor.

(8) Issue of railroad aid bonds. Whenever an initial resolution embodying a proposition by a railroad company has been filed as required by subsections (1) and (8) of section 67.05, and has been approved by the electors of any county, town, city or village, the proposition shall be deemed obligatory as a mutual agreement by the company and the municipality, and the governing body of the municipality shall, pursuant thereto, cause subscription to be made in the books of the company for so much of the stock or mortgage bonds, or both, as the resolution specifies. Thereupon the municipal bonds authorized by such resolution shall be executed and placed in escrow for future delivery as required by the proposal. But no such bonds shall be delivered, or be valid or negotiable, if delivered, unless the railroad company at the time of receiving them shall have lawfully earned them by proper performance, in whole or in part, of said mutual agreement. Shares of the capital stock of the railroad company or its mortgage bonds, or both, shall be delivered to the municipality as its right to the same accrues under the mutual agreement; and thereupon, as to any stock so received, the municipality shall be entitled to exercise and enjoy all the rights and privileges conferred by law upon stockholders in such railroad corporation, and the governing body of the municipality shall appoint some person to represent and vote such stock in its behalf at meetings of such stockholders. Such governing body may also sell and dispose of such corporate stock or bonds when and as it deems best for the interests of the municipality.

(9) Accounting for and cancellation of coupons and bonds. (a) Any municipality issuing bonds pursuant to this chapter may account for and cancel coupons or bonds in the manner provided for by either this paragraph or paragraph (b). The municipality shall keep in a separate book provided for the purpose, an accurate description of every bond so issued, specifying its number, date, purpose, amount, rate of interest, when payable, and the coupons attached; and shall enter therewith a statement of the date and amount of each payment of principal or interest thereon. Every such bond and coupon paid or otherwise retired shall be forthwith marked "canceled" by the officer empowered by law to accept a surrender of the instrument upon payment thereof, and be by him delivered to the governing body of the municipality, and by that body immediately destroyed.

(b) Or such municipality, by resolution adopted by its legislative body, may elect to use the following procedure in accounting for and the cancellation of coupons and bonds. All coupons and bonds paid by a fiscal agent or paying agent as described in sub. (2), at their respective maturities, shall be canceled and cremated by the fiscal agent or paying agent who shall deliver a certificate to such effect to the municipality. A municipality following this procedure, and whose treasurer is also a paying agent for outstanding coupons or bonds, or which has more than one fiscal agent, or paying agent, may arrange for the delivery of such canceled bonds and coupons to a designated fiscal agent or paying agent for the purpose of having said coupons and bonds cremated. Such designated fiscal agent or paying agent shall furnish and deliver to the municipality a certificate or certificates evidencing the cremation of such coupons and bonds. Any municipality, prior to authorizing the fiscal agent or paying agent to cancel and cremate coupons and bonds, shall enter into an agreement with such fiscal agent or paying agent providing for such cancellation and cremation. The local governing body of any municipality operating under this paragraph may establish such rules or procedures as may be deemed appropriate so as to effectively carry out this provision.

67.101 Milwaukee debt amortization. [*Not printed; See 1923 Stats.; 1925 c. 385 s. 7; amended 1933 c. 26; 1939 c. 378; 1945 c. 316; 1963 c. 422; 1965 c. 100*]

67.11 Sinking fund, sources and uses. (1) Every county, town, city, village, school district or vocational, technical and adult education district indebted on account of outstanding municipal bonds shall immediately after the issue of such bonds establish in their treasury a fund separate and distinct from every other fund, designated as the sinking fund for the particular bond issue, describing it, upon which the indebtedness arose, and shall maintain such fund until such indebtedness is fully paid or otherwise extinguished, but any money in said fund may be used to pay any amount of principal and interest becoming due and payable on said issue in any year. The sources of said fund shall be:

(a) All moneys accruing to the borrowed money fund prescribed by s. 67.10 (3) which at any stage are not needed and which obviously thereafter cannot be needed for the purpose for which the money was borrowed.

(b) All moneys raised by taxation pursuant to s. 67.05 (10) for the purpose of paying said bonds.

(c) Such moneys, derived from licenses or other sources, the expenditure of which is not otherwise provided for by law, as the governing body may elect to carry into the sinking fund.

(d) The premium, if any, for which the bonds have been sold over and above par value and accrued interest.

(e) Such further sums, raised by taxation annually, or from time to time, as may be necessary to make the contributions to the fund from all sources in each year, beginning with the first year, amount in the aggregate to a sum sufficient to pay all interest maturing in such year and not less than 5 per cent of the original indebtedness. The levying and collection of such taxes are authorized and commanded; but the governing body may, in its discretion, levy and collect larger sums than the sums so commanded, in order to speed the payment of the bonds.

(2) Proper orders or warrants shall be drawn upon the sinking fund each year to pay interest and principal maturing in such year upon said bonds. Funds shall be provided so that payments to cover principal maturing and interest on such bonds and short-term promissory notes authorized under this chapter shall be made when such principal and interest is due. The funds to provide for such annual payments may be invested in direct obligations of the United States government. The surplus, if any, may be loaned or invested under the direction of the proper governing body, as follows:

(a) In outstanding bonds for the payment of which the sinking fund is required, at any price not exceeding the principal, accrued interest and a premium not to exceed 3 years' interest on such bonds; but no such bonds shall be purchased except on bids received at a fixed time and place, notice of which has been published as a class 2 notice, under ch. 985. Such bonds when purchased shall immediately have written on the face thereof a statement, signed by the clerk of such municipality, that the same have been taken up and cannot again be negotiated or made obligatory; and all such bonds shall be deemed paid and shall be immediately canceled.

(b) In interest-bearing bonds of the United States.

(c) In any bonds or securities issued under the authority of such municipality, whether the same create a general municipal liability or a liability of the property owners of such municipality for special improvements made therein.

(3) Investments of the second or third class continue a part of the sinking fund. The bonds representing such investments may be sold or hypothecated by the governing body at any time, but the money received shall likewise remain, until used, a part of the sinking fund. Any such sale of municipal bonds shall be for a sum not less than par value and accrued interest. All payments by the municipality in extinguishment of

principal or interest of bonds representing investments of the third class shall be paid into the sinking fund, and, for the purpose of making such payments, the municipality shall levy and collect every tax that it would be legally obligated to levy and collect if such bonds were still outstanding in the hands of purchasers and had not been purchased as an investment.

(4) Money shall not be withdrawn from a sinking fund and appropriated to any purpose whatever other than the purpose for which the fund was instituted until that purpose has been accomplished.

(5) Any surplus in the sinking fund after all of the bonds for the payment of which the fund was instituted have been paid and canceled, and after all investments of the second or third class have been finally disposed of or realized upon, shall be carried into the general fund of the municipal treasury.

History: 1971 c. 154.

67.12 Temporary borrowing and borrowing on promissory notes. (1) PURPOSES; MANNER; LIMITATION. (a) Every municipality which is in temporary need of money may borrow as prescribed by pars. (b) to (d).

(b) The governing body of any county, town, village or city about to solicit such a temporary loan, shall first adopt and record a resolution specifying the purpose and the amount of the loan, and levying a tax for the same amount to provide payment; which tax, after receipt of the borrowed money, shall become and continue irrepealable, and shall be carried into the next tax roll of the municipality and collected as other taxes are collected. The proceeds of such tax shall be kept in a distinct and separate fund and be used for the sole purpose of paying such temporary indebtedness. Such resolution shall be supported in a county, town, village or city by at least three-fourths of all the members-elect of its governing body, or, in the case of a city borrowing for school purposes and having territory attached for school purposes only, by three-fourths of all the votes provided by the formula contained in s. 120.50 (2).

(c) To evidence such indebtedness the municipality shall execute to the lender its promissory note payable with interest on or before the thirtieth day of August following the next tax levy, and signed by the same officers who are required by law to sign municipal bonds, or, in lieu of such note the municipality may deliver to the lender an order drawn on its treasurer payable with or without interest on or before said thirtieth day of August. Nothing in this chapter contained shall be construed as abrogating or in any way affecting those provisions of law which allow any city to receive taxes before the time when they are by law payable, and to issue negotiable certificates in evidence thereof.

(d) Such temporary borrowing by any county or city is limited to such an amount as its board or common council deems necessary to its safety and interest; by a town or village, to the amount for which it has levied a special tax as required by par. (b).

(5) EMERGENCY BORROWING. Whenever a public building, utility, sewer system, bridge or other property of a county, town, village or city is suddenly destroyed or injured, or threatened with destruction or injury, by flood, fire, tempest or other unusual cause, the governing body of a municipality may levy a tax to provide means for the protection, repair or restoration of such property in such amount as such body may deem necessary. Borrowing for such emergencies shall be regulated by sub. (1) (b) and (c).

(6) ADVANCE BORROWING ON REGULAR TAX ROLL. When any tax has been ordered or levied to be collected on the next tax roll, and such tax roll shall have been placed in the hands of the treasurer for collection, any town board, village board or common council may, in temporary necessity, borrow money in anticipation of the payment of such tax, and apply the same to the purposes for which such tax was ordered or levied; and they may give orders on the treasurer, payable at a future date, therefor, with or without interest, and for the payment thereof such tax shall stand irrevocably pledged and irrepealable. But no order on any town or village treasurer shall in any case whatever be, or be held to be, negotiable according to the usage of merchants.

(8) TEMPORARY BORROWING BY SCHOOL BOARD. The school board of any school district operating under the district system or unified school district plan may on its own motion, made and properly recorded at a lawful board meeting, borrow money in such sums as are needed to meet the immediate expenses of maintaining the public instruction in each district during the current school year. No such loan or loans except loans made by town boards to school districts shall be made to extend beyond September 1 of the following year nor to an amount exceeding one-half the estimated receipts for the operation and maintenance of the school for the current school year in which the loan is made, as certified by the state superintendent of public instruction and the local school clerk. Such borrowing may be done any time after the tax for operation and maintenance of the school for the current school year has been

voted to be collected on the next tax roll and such estimated receipts have been so certified. All such loans shall be evidenced by lawfully authorized and drawn school orders, each order, when paid, to be receipted and returned to the treasurer of the board.

(8a) TEMPORARY SCHOOL DISTRICT LOAN AGAINST REVENUES; REGARDED AS PAID DEBT. Whenever a school district shall have become entitled to state aids, tuition revenues, or taxes levied, the district may pledge or assign all or portions of these revenues due but not yet paid as security for the repayment of loans required for operating purposes. Short term indebtedness secured by such assignment shall be construed as a paid or satisfied debt in reporting or computing the outstanding debt of the school district.

(8m) TEMPORARY BORROWING BY VOCATIONAL, TECHNICAL AND ADULT EDUCATION DISTRICT. The district board of any vocational, technical and adult education district may on its own motion, made and properly recorded at a lawful board meeting, borrow money in such sums as are needed to meet the immediate expenses of operating and maintaining the schools of the district during the current fiscal year. No such loan may be made to extend beyond the current fiscal year nor to an amount exceeding one-half the estimated receipts for the operation and maintenance of the schools for the current fiscal year in which the loan is made, as certified by the district treasurer. All such loans shall be evidenced by promissory notes with interest not exceeding 7% which may be signed by the district board chairman, vice chairman, secretary or treasurer. Whenever a vocational, technical and adult education district becomes entitled to state aids, tuition revenues or taxes levied, the district may pledge or assign all or portions of these revenues due but not yet paid as security for the repayment of promissory notes issued hereunder. Any indebtedness secured by such assignment shall be construed as a paid or satisfied debt in reporting or computing the outstanding debt of the district.

(9) TEMPORARY FUNDING OF DELINQUENT TAXES. (a) For the purpose of meeting its current expenses, any county or other municipality authorized to sell land for nonpayment of taxes, may borrow money on, or issue to its creditors, warrants, notes or orders secured by, or certificates of interest in, its tax sale certificates, not exceeding the face amount thereof, and pledge the same for the payment thereof. Such instruments may be issued payable with interest or dividends not exceeding seven per cent per annum, or without interest, within such time, not exceeding four years, as the tax sale certificates out of which they are payable will probably be liquidated. They shall be numbered serially and a record of the issue thereof shall be made. They may be guaranteed as to principal and interest, or not so guaranteed, as the governing board of such county or municipality, in the resolution authorizing the issue thereof, may determine. Only such obligations may be paid by the issue of such instruments, or out of the proceeds thereof, as were payable out of the proceeds of the tax sale certificates pledged therefor. Such instruments shall be negotiable, if so stated upon their face, notwithstanding they may be payable only out of the tax sale certificates pledged. The county or municipality shall retain title and possession of the tax sale certificates and proceeds thereof so pledged, in trust however, as a separate fund for the benefit of the holders of such instruments secured thereby; and in the collection, protection and enforcement thereof shall have all the rights and powers of, and shall be governed by all the laws affecting, such municipality, the same as if such pledge had not been made. The payment of the principal and interest, or dividends, on such instruments, if not guaranteed by the municipality, shall be made to the holders thereof at maturity out of the proceeds of the liquidation of the tax sale certificates pledged therefor, to the extent of each holder's proportionate interest in such fund, and when full payment is not made the amount paid shall be indorsed upon each such instrument, and the officer making such payment shall enter the same in the record of each such instrument; and such county or municipality shall thereupon be authorized, but not required, to levy a tax in addition to all other taxes sufficient to pay any deficiency of principal and interest remaining unpaid, and upon collection of such tax shall pay such deficiency to the holders of such instruments upon surrender thereof for cancellation.

(b) Whenever any county shall borrow money upon such instruments secured by tax sale certificates and any municipality within such county shall, because of an excess delinquent return, have an interest in such tax sale certificates, the county shall pay over to such municipality the same proportion of the amount so borrowed as the local municipality's excess delinquent return for any year bears to the total amount of tax sale certificates for the same year.

(10) BORROWING AGAINST ASSETS IN CLOSED BANK. (a) Notwithstanding the requirements of sub. (1) (b), the governing board of any county or other municipality which is authorized to borrow money may borrow a sum not exceeding the amount of all funds belonging

to such municipality which have been lawfully deposited in a bank and which are not available because such bank is in the hands of the office of the commissioner of banking, or is operating under a stabilization and readjustment agreement approved by the office or because such bank, with approval of the office of the commissioner of banking, has sold a part or all of its assets to another bank which has agreed to pay a part or all of the deposit liability of such selling bank on a deferred payment basis, or because such bank, being a national bank, has been placed in the hands of the comptroller of the currency as provided by federal statute, or because such national bank is operating under a stabilization and readjustment agreement approved by the office of the commissioner of banking. The sum so borrowed shall be repaid, with interest at the agreed rate, on or before one year from the date of the loan and shall be secured by lawfully authorized orders or promissory notes, each order or promissory note when paid to be receipted and returned to the treasurer or fiscal agent of the municipality; provided, that deferred certificates of deposit issued to such municipality under the deferred payment plan of any bank in this state which has been approved by the office of the commissioner of banking may be pledged as collateral security for such loans. When so secured such loans shall be repaid on or before the latest maturity date of the deferred certificates of deposit pledged as collateral, and shall be payable in instalments equal in amount to each of such deferred certificates of deposit and payable on the various maturity dates of the deferred certificates of deposit.

(b) Any governing board about to solicit a loan under the provisions of this subsection shall first adopt and record a resolution specifying the purpose and amount of the loan and levying an irrepealable tax for such amount. Such tax shall be carried into the next tax roll of the municipality and collected as other taxes, and the proceeds thereof shall be kept in a distinct and separate fund and shall be used for the sole purpose of paying such temporary indebtedness. Provided, that if such loan is collaterally secured by deferred certificates of deposit as provided in paragraph (a) then the tax to be levied shall be a direct annual tax in an amount sufficient to pay the interest on such debt as it falls due and also to pay each instalment on principal as it matures. Any sums collected by taxation to be used for the payment of interest and instalments of principal not required in any year for that purpose shall be held by the municipality to be used for that purpose in any succeeding year, and the tax provided for in this section shall be collected in such succeeding year only in an amount sufficient, together with such balance to pay the interest and instalments of principal due in that year.

(11) TEMPORARY BORROWING BY CITIES OF THE FIRST CLASS. In addition to the powers heretofore given, any city of the first class, however incorporated, may borrow money for ordinary and current expenses, up to the amount of its outstanding delinquent taxes the active certificates for which are held or owned by such city, as certified to the governing body by the city treasurer of the city about to borrow, plus one-half of the amount of the fixed sale price of all real estate heretofore taken or held by the city by way of tax deeds, plus the amount of all unredeemed instalment assessments receivable held by the city to be certified by the real estate agent of the city and the commissioner of public works, respectively, and without complying with any other requirements of chapter 67. The governing body of such city shall first adopt and record a resolution specifying the amount to be borrowed, which resolution shall be adopted by a three-fourths vote of the members-elect of the governing body of such city. Any such loan shall be payable within one year and shall be evidenced by the note or notes of the city executed by the mayor and comptroller of such city, and shall bear interest not to exceed the rate of interest specified in the resolution authorizing the loan. Notes issued hereunder shall be the general obligation of the city issuing the same.

(12) BORROWING ON PROMISSORY NOTES. (a) In addition to the powers heretofore given, any county, city, village, town, school district, vocational, technical and adult education district or town sanitary district may borrow money for the acquisition of lands for public purposes, for permanent improvements of lands, for public work or improvement, and the enlargement or extension thereof, for the acquisition, development, remodeling, construction and equipment of land, buildings and facilities for regional projects, or for equipment or machinery or for general and current municipal expenses, or to provide financial assistance to blight elimination, slum clearance, redevelopment and urban renewal programs and projects under ss. 66.43, 66.431 and 66.435; in the case of cities, villages and towns for the acquisition and development of industrial sites to the extent permitted by ss. 66.52 and 66.521; also for the purpose of making improvements, additions, extensions or enlargements to an auditorium or to an arena operated in conjunction with or as a part of such auditorium provided for under s. 229.21; and in

the case of counties for acquisition and transfer of real property to the state for new collegiate institutions or research facilities.

(aa) A school board of any newly created school district, including a common school district or unified school district created upon abolition of a city school district, or a vocational, technical and adult education district board may, pursuant to this section, issue promissory notes to refund any indebtedness assumed by such school district upon its creation.

(b) To evidence such indebtedness the county, city, village, town, school district, vocational, technical and adult education district or town sanitary district shall issue to the lender its promissory notes with interest not exceeding 7% per annum, payable within a period not exceeding 10 years following the date of issuance of said notes.

(c) At any time during the term of any original promissory note, or thereafter, in the event the county, city, village, town, school district, vocational, technical and adult education district or town sanitary district has not paid the full amount due thereon: 1. the lender may grant an extension of time, or 2. if the terms of any note outstanding permits payment prior to maturity, the county, city, village, town, school district, vocational, technical and adult education district or town sanitary district may refund such note outstanding or any part thereof, such extension or refunding to be evidenced by a refunding note for payment of any amounts due or to become due under the provisions of such original promissory note upon such terms as may be agreed upon, with interest not exceeding 7% per annum, for a term not exceeding 10 years following the date of issuance of any such refunding note.

(cc) Any such note or notes may provide for prepayment on the terms and conditions prescribed therein.

(d) Such notes shall be signed by the same officers as are required by law to sign municipal bonds and shall carry on the face thereof the provisions of the resolution authorizing the same or a digest thereof or a reference to the same so that it can be readily located; and such notes shall be the general obligation of the county, city, village, town, school district, vocational, technical and adult education district or town sanitary district issuing them.

(e) Before such loan or any extension agreement is made:

1. The governing body of such county, city, village, town, school district, vocational, technical and adult education district or town sanitary district shall adopt and record a resolution specifying the purposes and the amount of the loan or that the note is a refunding note, the instalments, the rate of interest, and levying a direct annual irrepealable tax sufficient to pay each instalment, and the interest, as it becomes due and payable. Such resolution shall be adopted by at least a two-thirds vote of the members-elect of such governing body or, in the case of a city borrowing for school purposes and having territory attached for school purposes only, by at least two-thirds of all the votes provided by the formula contained in s. 120.50 (2).

2. Upon the adoption by a school district board of a resolution to incur an indebtedness in excess of $5,000 under this section, the clerk of said school district shall, within 10 days thereafter, cause public notice of such adoption to be given to the electors in the district by publication as a class 1 notice, under ch. 985. The notice need not set forth the full contents of the resolution, but shall state the amount proposed to be borrowed, the purpose thereof, that the resolution was adopted pursuant to this subsection, and the place where, and the hours during which, the resolution can be inspected. If within 15 days after such publication or posting there is filed with the school district clerk a petition for referendum on the resolution signed by 500 electors of the district or 20% of the number of district electors voting for governor at the last general election as determined pursuant to s. 115.01 (13), whichever is the lesser, then such resolution shall not be effective unless adopted by a majority of the district electors voting at such referendum. The referendum shall be noticed, called and conducted pursuant to s. 67.05 (6a) insofar as applicable, except that the notice of special election and ballot need not embody a copy of the resolution and the question which shall appear on the ballot shall be "Shall ....(name of district) borrow the sum of $.... for (state purpose) by issuing its general obligation promissory note (or notes) pursuant to s. 67.12 (12), Wis. Stats.".

3. When a school district board adopts a resolution to borrow a sum for a stated purpose and a sufficient petition for referendum thereon is not filed within the time permitted herein, or if such petition is filed and the question is approved at referendum, then the power of said board to borrow such sum and expend the same for the purpose stated shall be deemed approved by the school district electors upon the expiration of the time for filing the petition or accomplishment of the referendum, whichever is applicable.

4. Notes heretofore [1961] issued by school districts under the authority of this subsection

and without approval thereof by the electors of such school districts shall not be deemed invalid because of absence of such approval, and such notes are herewith declared to be valid and binding obligations of such school district if in all other respects issued in accordance with the law pertaining thereto.

(ee) Any tax levied as provided in par. (e) for each year after receipt of the borrowed money shall become and continue irrepealable and shall be carried into the tax roll each year and collected as other taxes are collected, except that 1. if any such loan is paid in full prior to maturity, the still uncollected portions of the tax levied to provide repayment need not be carried into the tax roll; and 2. if the holder of any note issued for any of the purposes set forth in par. (a) agrees in writing to an extension of time, or any such note is refunded as permitted herein, and the appropriate refunding note has been authorized and executed by the borrower, and the original note returned and canceled, then the still uncollected portions of the tax levied to provide the repayment of the original loan need not be carried into the tax roll but shall be replaced by the amounts levied to provide for the repayment of any such refunding note.

(f) The county clerk, city comptroller, village clerk, town clerk, school district clerk, vocational, technical and adult education district secretary or town sanitary district secretary shall keep, maintain and preserve an adequate and correct register account of all notes issued and all payments and other transactions relating thereto.

(13) BORROWING AGAINST UNREMITTED TAX RECEIPTS. Any county which is in need of money for a period of less than 6 months for payment of current and ordinary expenses or of valid obligations theretofore issued by the county, and which has owing to it county taxes for the current year which have been collected but not remitted by municipal treasurers, may by resolution adopted by the affirmative vote of three-fourths of the members-elect of its governing body, borrow money for such purposes in an amount not to exceed 75% of the amounts of the county taxes collected and still to be remitted by the municipal treasurers for the current year. On request by the county the local municipal treasurers shall furnish to the county treasurer a statement of the amount of the county taxes collected to date of the request. The loans shall be evidenced by promissory notes maturing not more than 6 months after date thereof. The notes shall be the general obligation of the county and shall be signed by the same officers as are required by law to sign county bonds and shall bear on the face thereof the provisions or a digest of the resolution authorizing the same. Upon receipt by the county treasurer, on the dates as provided by law, of the proceeds from county taxes collected, the proceeds shall be applied first in repayment of the loan.

History: 1971 c. 49, 144; 1971 c. 152 s. 38; 1971 c. 164, 215.

67.125 Temporary borrowing by cities, villages and towns. (1) In addition to the powers given under section 67.12, any city, village or town which is in need of money to pay its current and ordinary expenses or to pay off valid obligations theretofore issued by such municipality under section 67.12, may by resolution adopted by at least a three-fourths' affirmative vote of all of the members-elect of its governing body, borrow money for such purposes in an amount not exceeding the portion of the uncollected delinquent taxes which are to be returned to such municipality under the provisions of the law, when same shall have been collected. Such loans shall be evidenced by bonds or other evidence of indebtedness of the issuing municipality, bearing interest at a rate not exceeding six per cent per annum and payable at such times as the governing body shall determine, not exceeding, however, five years from the date of such bonds or evidences of indebtedness. All money received by such municipality from such delinquent taxes shall be paid into a sinking fund for the sole purpose of paying said bonds or other evidences of indebtedness and the interest thereon until the amount of such sinking fund shall equal the amount of interest and principal due and unpaid on such bonds or other evidences of indebtedness. Such bonds or other evidences of indebtedness shall be the general obligations of the municipality issuing the same and the governing body shall before the issuance thereof levy by recorded resolution a direct annual tax sufficient in amount to pay, and for the express purpose of paying, the interest on such bonds or other evidences of indebtedness as it falls due and also to pay and discharge the principal thereof at maturity. Except as herein otherwise specifically provided for, the provisions of chapter 67 relative to the issuance of bonds shall be applicable to the issuance of bonds or other evidences of indebtedness under this subsection, provided that it shall not be necessary to submit the question of the issuance of such bonds or other evidences of indebtedness to the electors for approval.

(2) In addition to the powers given under section 67.12 and in lieu of the power granted by subsection (1) of this section, any city, village or town which is in need of money to pay its cur-

rent and ordinary expenses or to pay off valid obligations theretofore issued by such municipality under section 67.12, or to provide funds for public works, may by resolution adopted by at least a three-fourths' affirmative vote of all of the members-elect of its governing body, borrow money for such purposes in an amount not exceeding the portion of the uncollected delinquent taxes which are to be returned to such municipality under the provisions of the law, when same shall have been collected. Such loans shall be evidenced by bonds or other evidences of indebtedness of the issuing municipality, bearing interest at such rate and payable at such times as the governing body shall determine, not exceeding, however, five years from the date of such bonds or evidences of indebtedness. All money received by such municipality from such delinquent taxes shall be paid into a sinking fund for the sole purpose of paying said bonds or other evidences of indebtedness and the interest thereon until the amount of such sinking fund shall equal the amount of interest and principal due and unpaid on such bonds or other evidences of indebtedness. Such bonds or other evidences of indebtedness shall not be the general obligations of the municipality issuing the same. It shall not be necessary to submit the question of the issuance of such bonds or other evidences of indebtedness to the electors for approval.

67.13 County bonds for highway improvement. (1) Any county, if its board shall so determine, may raise money for the improvement of any portions of the system of county aid highways or of the state trunk highway system, including, without limitation because of designation, separate bridge projects eligible to construction under section 84.11 or 84.12, by issuing nontaxable semiannual interest payment coupon bonds bearing interest at a rate not exceeding 5 per cent per annum running not more than 20 years, and not exceeding, with all other county indebtedness, the constitutional limit, the money raised thereby, together with other construction funds available therefor, to be expended on certain specified improvements which, together with the estimated cost thereof, shall be specified in an initial resolution adopted by the county board authorizing the issue of such bonds. Such initial resolution shall also specify the total amount of bonds authorized to be issued, the maximum interest rate which such bonds may bear, the maximum period over which the maturity of such bonds may run, and the maximum amount of the principal sum of such bonds which may fall due in any year; and such resolution shall provide for a direct annual irrepealable tax sufficient to pay the interest and principal as it falls due.

(2) Bonds authorized to be issued under this section may be sold from time to time as ordered by resolutions adopted by the county board, and as the necessity for providing funds for construction arises. Any resolution authorizing any such sale shall specify the amount of the bonds to be sold, the dates and denominations of such bonds, the time of payment of principal and interest thereof, and the manner in which such bonds shall be negotiated; and such resolution, or a subsequent resolution confirming and approving the sale, shall specify the interest rate which the bonds shall bear and the place of payment of principal and interest, and shall also levy the direct annual irrepealable tax for each year sufficient to pay the interest and principal as it falls due; provided, however, the issuance of such bonds may be conditioned upon all or part of the money for the interest thereon being privately contributed and deposited in the county treasury before the bonds are negotiated, in which case, the levy of taxes therefor may be suspended until necessary therefor. Such deposit shall be deemed sufficient if in an amount actually invested to the satisfaction of the county treasurer and the securities deposited in the county treasury to seasonably produce the money to pay such interest, and this shall apply to bonds heretofore issued, or voted to be issued on substantially such plan. Nothing in this section shall require that all such bonds shall bear the same date of issuance or that the whole or any part of any bond issue authorized under this section must be sold at any specific time. The bonds shall not be sold for less than par and accrued interest. The bonds shall be signed by the chairman of the county board and the county clerk in their official capacities and be sealed with the county seal. They shall be in the form approved by the highway commission, and 3 certified copies of such approved form shall be furnished by the highway commission to a county having voted to issue bonds pursuant to this section. The cost of printing the bonds, unless borne by the purchaser as part of the purchase price, shall be paid by the county as a county highway administrative cost. The amendment (1947) of this subsection and sub. (1) shall in no way invalidate any bonds issued, or any proceedings for the issuance of bonds taken prior to July 30, 1947.

(3) The proceeds of county bonds issued under this section shall be used only for road and bridge construction performed under ch. 83 or deposited with the highway commission to be used for road or bridge construction performed under ch. 84. The amount to be received from the state in any year pursuant to s. 84.03 (3) shall, as required by s. 84.03 (4), be used by the

county board to reduce the county levy necessary to be made for paying the principal of the bonds maturing in such year in accordance with the bonding resolution, and such action by any county board shall in no way invalidate the bond issue. The amount to be received from the state in any year pursuant to s. 84.03 (6) shall be used by the county board to reduce the county levy necessary to be made for paying the interest maturing in such year in accordance with the bonding resolution, and such action by any county board shall in no way invalidate the bond issue.

(4) Construction with the proceeds of any bond issue shall be prosecuted in such order as shall be determined upon from time to time by the county board and as approved by the highway commission. When any construction shall be determined upon by the county board, the board may provide that a portion, not to exceed 40% of the county's share of the cost of such construction, shall be assessed as a special benefit against any town, village or city in which such construction may lie, and the amounts of said special benefit may be levied by the county board as a special charge against such town, village or city and the county clerk shall certify such sum to the town, village or city clerk, who shall put the same in the next tax levy and the same shall be collected and paid into the county treasury by the officials of the town, village or city just as all other county taxes are levied, collected and paid in. If the amount of such special charge shall produce a tax upon any unit of government in excess of one-half mill upon its local equalized valuation, the county board shall make such arrangements for annually levying such special charges as will reduce the local tax to one-half mill or less in any one year. Any amounts paid into the county treasury in any year by any unit of government in accordance with this subsection shall be used in retiring a portion of the county bond issue. The county boards, after receipt of such local funds, shall reduce the county levy necessary to be made in accordance with the bonding resolution by an amount equal to the total amount so received from all units of government, and such action by the county board shall in no way invalidate the bond issue.

67.14 Referendum. (1) The total amount of bonds outstanding at any one time, issued by sole action of the county board under section 67.13, shall not exceed one per cent of the total assessed valuation of the county, but such bonds may be issued by sole action of the county board within such limitation of amount, subject to the provisions of subsection (3).

(2) The county board may by resolution provide that there be submitted to the electors of the county at any regular or legally called special election the question as to whether bonds shall be issued under the provisions of section 67.13 in excess of the limits specified in subsection (1), in which case said board shall enact a bonding resolution in general accordance with the provisions of section 67.13, which resolution shall become fully effective upon approval of the bond issue by a majority of the electors voting thereon.

(3) In case the county board shall vote to issue bonds under section 67.13 and within the limitations of subsection (1) of this section, the bonds so voted shall not be issued within thirty days after said vote is taken. If within thirty days a petition shall be filed with the county clerk, signed by electors of the county, equal in number to ten per cent of the vote cast for governor at the last election, demanding a referendum election upon said bond issue, such election shall be had and the procedure shall be as prescribed in subsection (4) of section 67.05. If a majority of the votes cast at such election shall be against such bond issue, then none of the proposed bonds shall be issued.

(4) The county clerk shall give notice of such election in the same manner notice is given of the general county election at least twenty days before such election, and the election on such question shall be held and conducted and the returns canvassed in the same manner in which the election for county officers is conducted and the returns thereof canvassed.

(5) The ballots for such election shall be provided by the county clerk, and shall be substantially in the following form:

FOR BONDS ☐ AGAINST BONDS ☐

Mark an X in the square after the one you wish to vote for.

(6) The county board of any county which has heretofore voted to issue bonds for highway improvement under the provisions of section 67.13 or 67.14, or of both of said sections, may, by a two-thirds vote of the members present at any regular or special meeting, by resolution, change the type or width of surfacing anticipated to be built or designated to be built on any portion of highway with the proceeds of the sale of said bonds, to a different type or width of surfacing, if said board shall determine that such change will best serve the public interest. If said change of type or width of surfacing shall result in a decreased cost of the improvement, the board may, by resolution, determine not to issue the portion of the bonds so rendered unnecessary or

the board may, by resolution, determine to issue the said bonds and to use the proceeds thereof to augment the funds made available under the bonding resolution for the improvement of other portions of highways when said funds are inadequate to build the type or width of surfacing on said portions determined by the board to be necessary to serve the public interest. If said change in type or width shall result in an increased cost of the improvement the length of the improvement may be decreased accordingly.

67.156 County bonds for current and ordinary expenses. (1) Any county, if its county board shall so determine, may, for the purpose of paying its current and ordinary expenses, and for the purpose of paying off valid obligations theretofore issued by such county under section 67.12 for the payment of current and ordinary expenses, borrow money in a sum not to exceed the face value of all tax certificates owned by it and not otherwise pledged as collateral security for any loan by said county.

(2) Every such loan shall be evidenced by the issuance of negotiable interest payment coupon bonds bearing interest at a rate not exceeding 6 per cent per annum and maturing serially in such amounts in not more than 10 years from date as may be specified in the resolution authorizing such bonds. Such bonds shall not exceed, with all other county indebtedness, the constitutional limit and shall be further limited in amount to the amount of all such tax certificates owned by such county and not otherwise pledged as collateral security for any loan to be determined by the county board as of the day such bonds are dated, and such finding shall be conclusive. The resolution authorizing such bonds shall specify the amount of the issue, the denomination thereof, the time and place of payment of principal and interest and the manner in which the same shall be negotiated and shall not be subject to any referendum vote or to any election requirement under this chapter. It shall also provide for the levy of a direct annual tax without limit as to rate or amount sufficient to pay the interest on such bonds as it falls due and the principal thereof within the time fixed therefor. The bonds shall be signed by the chairman of the county board and the county clerk in their official capacities, and be sealed with the county seal and shall not be sold at less than 95 per cent of par.

(3) Nothing in this section shall require that all such bonds shall bear the same date of issuance or that the whole or any part of any bond issue authorized hereunder shall be sold at any specific time. The county board may by resolution instruct the county treasurer to sell such bonds from time to time as in the opinion of said treasurer the necessity for funds arises.

(4) In the event any bonds previously issued under this section shall remain outstanding at the time of issue of additional bonds hereunder, then the amount of such outstanding bonds shall be deducted from the aggregate face amount of all such tax certificates owned by such county in determining the maximum amount of additional bonds which may be issued hereunder.

(5) The provisions of this section confer additional power and authority to issue bonds as provided herein and shall be so construed notwithstanding any other provisions of this chapter.

67.17 Diversion of funds, liability of officers for. Every public officer, and the sureties on his official bond, and every other person participating directly or indirectly in any impairment of a borrowed money fund or of a sinking fund of any municipality, shall be liable in an action brought by such municipality or by one or more of its taxpayers, or by any party owning a warrant, note, order, or other obligation payable in whole or in part out of such fund, to restore to such fund all such diversions therefrom.

67.22 Bonding stayed by protest. No bonds shall be issued in any cases, where, within thirty days after the adoption of the initial resolution provided for in subsection (1) or (2) of section 67.05, a petition is filed with the clerk of the municipality contemplating the issuance of bonds, signed by a majority of the resident freeholders and by the owners of more than one-half of the property by assessed value therein requesting that such bond issue be not made.

67.23 Validation of certain bonds and proceedings. (1) The term "municipality" shall mean a county, city, village, town, common school district, consolidated district, state graded school district, free high school district, union free high school district, whether any such district is joint or otherwise, metropolitan sewerage commission, board of education or board of park commissioners of this state empowered to borrow money and issue bonds to repay the same.

(2) All bonds heretofore [1935] issued for the purpose of financing or aiding in the financing of any building, improvement, work or undertaking by any municipality to which any loan or grant has heretofore been made by the United States of America through the federal emergency administrator of public works for the purpose

of financing or aiding in the financing of such building, improvement, work or undertaking, including all proceedings for the authorization and issuance of such bonds, and the sale, execution and delivery thereof, are hereby validated, ratified, approved and confirmed, notwithstanding any lack of power other than constitutional, of such municipality or the governing board or commission or officers thereof, to authorize and issue such bonds, or to sell, execute or deliver the same, and notwithstanding any defects or irregularities other than constitutional, in such proceedings or in such sale, execution or delivery; and such bonds are and shall be binding, legal, valid and enforceable obligations of such municipality.

67.24 Validation of obligations of incorporated municipality. (1) Any municipality, however incorporated, exercising functions of government after such incorporation may borrow money, within constitutional limitations, for the purpose of financing any building, improvement, work or other public undertaking for the furnishing, constructing, erecting, installing, or operating any public service, including sewers, water systems for fire protection and for public and industrial use, sewage disposal systems and plants, storm water relief sewers, channels and ditches, public highways and extensions thereof, or such other public necessities which its governing body may deem necessary for the protection of public health and safety and to prevent pollution of streams and water courses, notwithstanding that such incorporated municipality may be involved in or threatened with a civil action testing or questioning the incorporation of such municipality or the validity of any part of such incorporation and all proceedings of the governing body of such municipality authorizing the issuance of bonds, notes and other evidences of debts and all resolutions or ordinances adopted for such purposes and the execution and delivery of such evidences of indebtedness are hereby validated and shall be legal and enforceable obligations of such municipality with like force and effect as the obligations of de jure municipal corporations; and the determination by any court that such municipality is irregularly incorporated shall not affect the rights of creditors against the territory and assets of such purported incorporated municipality; the legislative intention being that there shall be no lapse of government or power of government to act for the general welfare, public interest and commercial betterment of such incorporated area during the pendency of any civil or threatened civil action. All taxes levied or to be levied in accordance with the provision made by such purported municipality for the collection of a direct annual tax sufficient to pay the interest on such bonds, notes or other evidence of debts and to pay and discharge the principal thereof, shall be valid and be levied and enforced against the territory of such purported municipality by the local governmental unit or units of which the territory may be a part.

67.25 Redevelopment bonds curative act. Any proceedings by a city prior to October 4, 1959 for the issuance of general obligation bonds as authorized by s. 66.431 (13) in effect at the time of such proceedings, to provide financial assistance to blight elimination, slum clearance, redevelopment and urban renewal programs and projects being carried out under s. 66.43, 66.431 or 66.435 may be continued under this chapter and, notwithstanding lack of power in the city to issue bonds under this chapter at the time of the adoption of an initial resolution or referendum of the electors approving such bonds, such proceedings are hereby validated, ratified, approved and confirmed, and any bonds authorized prior to or after October 4, 1959 as a result of the proceedings are and shall be binding, valid and enforceable obligations of the city, and the city may levy taxes without limitation for the payment thereof as provided in s. 67.035.

CONSTRUCTION PROJECT APPROVAL REQUEST

The Legislature of the state of Wisconsin has enacted into law section 38.13-10 a requirement that all district rental and construction projects must be approved by the State Board. The above named section states that, "The State Board shall review and approve any proposals by District Boards for additional facilities that will house state aided academic programs prior to the letting of contracts to construct or increase debts for such facilities." This statute is very definate that all expenditures for facilities--remodeling, site purchase, rental, and the construction of new facilities will require prior approval by the State Board.

In order to carefully evaluate and study construction projects, the following information must be submitted to the State Director 30 days in advance of the State Board meeting. Each request must contain the following information:

1. A resolution by the district board requesting approval.
2. A resolution by the district board approving the requested project.
3. A statement of need relating to student needs, program needs and the needs of business and industry.

4. Educational specifications relating to space needs for programs approved.
5. An analysis of added student stations required to accommodate increased enrollments.
6. An architectural sketch on the construction involved.
7. An architectural estimate of the cost of the project.
8. The availability of local funds for this project.

District boards, as they move forward with construction projects, may be desirous of making application for federal funding for construction within a given fiscal year. Each year the State Board has set aside certain federal monies to be used and allocated to districts for approved construction projects. These federal monies are made available under the Vocational Act of 1968 as amended--(Public Law 90-576). The State Board once each year will evaluate and study proposed projects and determine the percentage of federal funding for each project. A letter directed to the State Director requesting federal funding and supported by the following documents:

1. A one page narrative describing the project.
2. A copy of educational specifications relating to the project.
3. An architectural sketch relating to the project.
4. An architectural cost estimate of the project.
5. District board action requesting federal funding for the project.

6. A statement of availability of local funds.
7. A statement of compliance "National Environmental Policy Act of 1969 (NEPA)."

The state staff consultants will be more than happy to aid the districts in preparing these requests to be submitted to the State Board.

Wisconsin Board of Vocational, Technical and Adult Education

APPLICATION FOR PROJECT APPROVAL
VE-AS-200
Vocational Ed. Amendments of 1968

Project No.__________________________

Project Title__________________________

This form is used by public or private educational institutions to submit project proposals reimbursed under the provisions of the Vocational Education Amendments of 1968. Five (5) copies must be submitted to the State Director of Vocational, Technical and Adult Education, 137 East Wilson Street, Madison, Wisconsin 53703. Attach explanatory sheets as necessary.

☐ Public ☐ Eligible Private ☐ Eligible Other Submit proof of eligibility

Eligibility must be established through: Accreditation and Institutional Eligibility Staff, Bureau of Higher Education, U. S. Office of Education, Washington, D. C. 20202

(check one only)		☐ Residential School	Part E
☐ Vocational, Regular	Part B	☐ Consumer & Homemaking	Part F
☐ Disadvantaged	Part B	☐ Disadvantaged	Part F
☐ Handicapped	Part B	☐ Cooperative Education	Part G
☐ Research & Training	Part C	☐ Work Study, Vocational	Part H
☐ Exemplary	Part D	☐ Curriculum	Part I

Has applicant requested (within last 5 years) approval of a program in this project area? ☐ Yes ☐ No If yes, was it approved? ☐ Yes ☐ No

The applicant agrees to comply with all federal and state laws, rules and regulations including:
1. State Board Supervision of all projects.
2. Maintenance and auditing of all necessary fiscal records.
3. Submission of necessary evaluation and performance reports.

Certification of the Assurance of the Compliance under the Civil Rights Act was filed (Date)________________ (Number)________________

Total Cost - - - - - - - - - - - - -$____________
Federal Funds ________%- - - - -$____________
Matching Funds________%- - - - -$____________

Submitted by: Date:________________

Director or Administrator ________________________

Institution ________________________

Address ________________________

Wisconsin Board of Vocational, Technical and Adult Education

FINANCIAL REPORT
VE-AS-201
Voc. Ed. Amendments of 1968

1. Project No.____________________
2. Project Title____________________
____

3. ☐ Budget Proposal ☐ Revision ☐ Expenditure Report ☐ Final Report

4. Report Period From____________________ To____________________

		Amount	Total
5.	SALARIES		
	a. Supervisory	$	
	b. Guidance Counseling		
	c. Clerical		
	d. Custodial		
	e. Instructional		
	f. Other Supporting Salaries Itemized		$
6.	EQUIPMENT		
	a. Repairs & Services		
	b. Rental of Instructional Equipment		
	c. Instructional Equipment		
	d. Other Capital Expenditures		
7.	CONSTRUCTION		
8.	TRAVEL		
9.	INSTRUCTIONAL MATERIALS AND SUPPLIES		
	a. Audio Visual Aids		
	b. Reference Books		
	c. Textbooks and Work Books		
	d. Supplies and Materials		
10.	OTHER COSTS		
	a. Rental of Space - Not in Building		
	b. Utilities		
	c. Other Costs Itemized		
11.	Total Cost		
12.	Federal Funds	%	
13.	Matching Funds	%	

14. Director or Administrator ____________________ Date ____________________ Signature

Financial Report (Ve-As-201) is to be used for summarizing estimated costs and for reporting all expenditures.

BUDGET: Budget estimate(s) and revision(s) must be documented on an attached sheet in the following manner:

SALARIES: Under each line item identify number and full-time equivalency, hours per week of work, length of employment and hourly rate of pay.

EQUIPMENT: (a) Repairs and Services. Explain types of maintenance for which costs are to be incurred (b) Rental of Instructional Equipment. Explain types of equipment to be rented, giving unit and total costs. (c) Instructional Equipment. Identify type and quantity to be purchased, giving unit and total cost. (include cost of shipping, handling and installation) Explain relationship of equipment to project. Each item purchased must meet the definition of equipment per Chapter 8 of Financial Accounting Handbook (d) Other Capital Expenditures. Explain type of expenditure and relationship to the project, giving unit and total costs.

CONSTRUCTION: Contact Facilities Supervisor at State Office

TRAVEL: Describe who will travel, estimated mileage and rate of reimbursement or other transportation costs, and estimated meal, room and other costs times number of days.

INSTRUCTIONAL MATERIALS AND SUPPLIES: (a) Audio Visual Aids. Include rental of films, filmstrips, transparencies and records. List Items to be purchased or rented and cost of each. (b) Reference Books: List reference books to be purchased giving unit and total cost. (c) Textbooks and work books. List all textbooks and work books to be purchased. Give unit and total cost by each category (It is not necessary to identify each text by title). (d) Supplies and Materials. Identify by giving examples of groups of like items. Group quantitites of smaller, more numerous items into categories. Give cost of materials and supplies by groups.

OTHER COSTS: (a) Rental of Space. Identify location of square feet required, number of months space will be used and monthly or square foot charge (b) Utilities. Where utilities are not included as part of the rent, lease or other agreement for use, include estimated costs for heat, water, gas, electricity, and telephone by type of cost where each is directly identifiable and attributable to the activities described in this plan. Where exact utility costs cannot be identified, a reasonable proration should be made with other programs in the facility. The proration formula must be included and explained. (c) Other Costs Itemized. Include costs not classified elsewhere. Itemize and explain. Show unit and total cost.

EXPENDITURES: By line item show name, job title, hourly rate, beginning and ending dates of pay period, hours worked and gross pay.

EQUIPMENT, INSTRUCTIONAL MATERIALS, SUPPLIES, AND OTHER COSTS: List name of vendor, amount paid, check number and date paid. Invoices must be submitted for all expenditures of more than $2.00. The check number and date paid may be written on the invoice.

TRAVEL EXPENSE: Show name, mileage, rate of reimbursement, meals and room charges and other travel expenses. Invoices must be submitted for all expenditures of more than $2.00. The check number and date paid the total claim may be written on the invoice.

WISCONSIN STATE BOARD OF VOCATIONAL AND ADULT EDUCATION
Madison, Wisconsin 53702

CONSTRUCTION: Application for Partial Reimbursement of Costs
Under the Vocational Education Act of 1968, Amendments
P.L. - 90-576

1. ______________________ School and Address ______________ Date ______________ Project No.

2. "X" one ☐ New Buildings ☐ Expansion of Existing Bldgs. ☐ Remodeling and Renovation

3. Name of New Facilities ______________________

4. Address of New Facilities ______________________

5. Brief Description of Proposed Facilities

6. Estimated Costs	Total Cost	Local Funds	Amount Req. P.L. 90-576	Amount Approved
A. Architect & Engineering Fees				
B. Site Purchase				
C. Site Grading & Improvement				
D. Construction (New Building)				
E. Construction (Bldg. Addition)				
F. Construction (Remodeling)				
G. Built In Equipment				
H. Total				

7. Requested Federal Share of Estimated Project Development Cost ______________________

I hereby certify that this application with attachments is a firm and bonafide request for partial reimbursement of construction costs. All terms and conditions for approval of the project for Federal funds have or will be met. Yes ☐ No ☐

VE-AD-78

☐ d. The institution has been approved under State Board "All School Evaluation Procedures."

☐ e. The institution has been authorized by the State Board to award associate degrees in several programs. Indicate No. of programs ________________.

Attach documentation for above.

PROPOSED CONSTRUCTION FINANCING PLAN

Source of Funds	Cash on Hand	Assured	Contingent	Requested	Total	Attach Exhibit
1. Applicant's Cash Funds (including securities)	$	$	$	$	$	
2. Local Appropriations	$ ------	$	$	$	$	
3. Local LongTerm Bonding	$ ------	$	$ ------	$	$	
4. Local ShortTerm Bonding	$ ------	$	$ ------	$	$	
5. State Appropriations	$ ------	$	$ ------	$	$	
6. Federal Grants PL-90-576	$ ------	$	$ ------	$	$	
7. Federal Grants PL	$ ------	$	$ ------	$	$	
8. Foundation Gifts	$ ------	$	$	$	$	
9. Foundation Grants	$ ------	$	$	$	$	
10. Loan Requested Under Title III PL	$ ------	$	$ ------	$	$	
11. Other Federal Grants	$ ------	$	$ ------	$	$	
12. Other Sources of Funds	$ ------	$	$ ------	$	$	
13. Industrial Gifts	$ ------	$	$ ------	$	$	
14. Totals	$	$	$	$	$	

Add Comments:

____

____

____

____

____

VE-AD-78

USE OF FACILITY REQUIREMENTS

SUMMARY SHEETS

The following sheets may be useful by the district in arriving at space requirements for programs to be offered in their new facilities. Facility program requirements should be keyed to a 40 hour week with a 60 percent student station utilization factor. The first form is used for individual program requirements. The courses within the program should be listed in order and their requirements set forth on the righthand side of the chart. A course in communications within a given program may require a classroom with room for 18 students, 24 students, or 36 students, and if this class meets three times a week, it should be recorded under the appropriate size of room. The next course in this program may be requiring a machine shop and should be indicated under shops and the number of days per week that the shop is to be used. Other courses within the program such as mathematics, American Institutions, psychology and so forth, should be tabulated with their facility requirements.

One form of this type must be made out for every program that is to be housed in the new facility and when these are carefully checked a spread sheet or summary sheet, which is form number 2, should be used to accommodate all the requirements of the programs as well as the administrative needs, student services needs, instructional services needs, library needs, audio-visual center needs and so forth. It is from the spread sheet then that totals are arrived at and space factors indicated for the various areas and thus arriving at a total square footage for each of the categories and the rooms and sizes, shops and so forth giving them a total square footage for all programs which can be translated into square footages for the total facility.

WISCONSIN BOARD OF VOCATIONAL, TECHNICAL AND ADULT EDUCATION
MADISON, WISCONSIN

Name of Course ______________________ Type of Program ______________________

Facility Requirement Keyed to a 40 Hour Week With 60 % S. S. U. Factor

Date of Study __________________ Name of School ______________________

Department __________________

Semester # ______	Hour Requirements						
Course Name and Number	Class Rooms				Labs	Shops	Storage
	18	24	36	Expandable			

Sheet ____ of ____

WISCONSIN BOARD OF VOCATIONAL, TECHNICAL AND ADULT EDUCATION
Madison, Wisconsin

Name of School ______________________________ Date ______________________

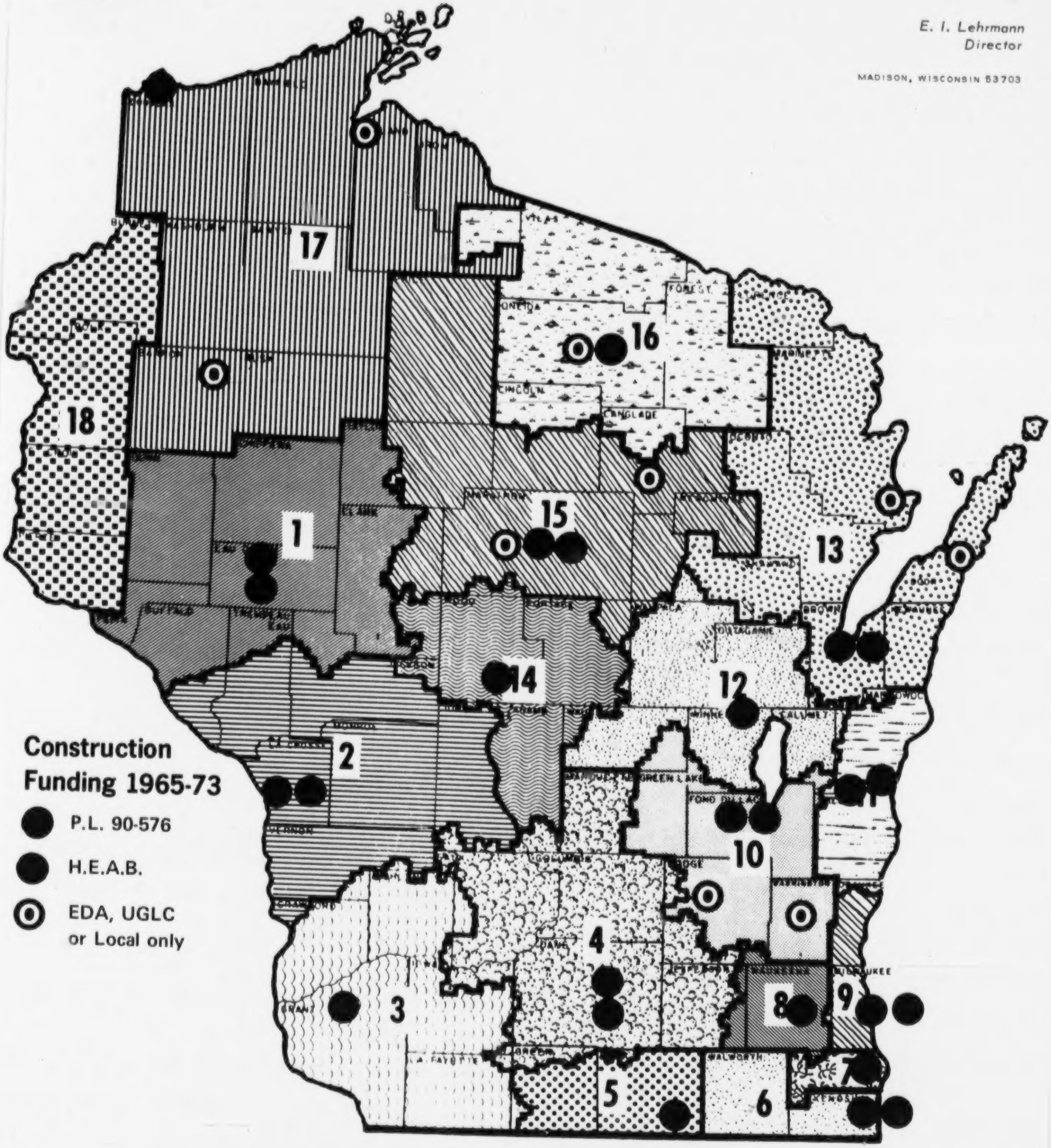
SUMMARY OF FACILITY REQUIREMENTS

Type	T & I	B & D	Agriculture	Health Occupations	Home Ec.	Graphic Arts	Storage	Total Number	X Space Factor	Total Square Ft
Administration	Describe Needs									
Student Services	"	"								
Instructional Services	"	"								
Library	"	"								
A & V Center	"	"								
Teacher Officers										
Class Rooms 18										
Class Rooms 24										
Class Rooms 36										
Class Rooms Expandable										
Machine Shop										
Sec. Lab.										
Total										

State of Wisconsin \ BOARD OF VOCATIONAL, TECHNICAL & ADULT EDUCATION

E. I. Lehrmann
Director

MADISON, WISCONSIN 53703


Construction Funding 1965-73
● P.L. 90-576
● H.E.A.B.
◎ EDA, UGLC or Local only
17
18
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15
16
VILAS
FOREST
ONEIDA
LINCOLN
LANGLADE
MARINETTE
OCONTO
CLARK
BUFFALO
OUTAGAMIE
CALUMET
BROWN
DOOR
KEWAUNEE
MANITOWOC
GREEN LAKE
FOND DU LAC
MILWAUKEE
WAUKESHA
WALWORTH
KENOSHA
GREEN
LA FAYETTE
GRANT
DANE
COLUMBIA
VERNON
CRAWFORD

WISCONSIN VOCATIONAL, TECHNICAL AND ADULT EDUCATION DISTRICTS

APPROVED FOR OPERATION JULY 1, 1970

WISCONSIN BOARD OF VOCATIONAL, TECHNICAL AND ADULT EDUCATION
Madison, Wisconsin 53703
Eugene I. Lehrmann, Director

FEDERAL FUNDING ON CONSTRUCTION PROJECTS

Fiscal Year Ending June 30, 1965

Project #	District or School	%	Local	Federal	Total
65.34.061	1. Superior Library & Drafting Room	40	$ 6,027.36	$ 4,020.00	$ 10,047.36
65.24.094	2. Oshkosh Elevator & Marketing Lab.	40	17,425.00	11,615.00	29,040.00
65.09.112	3. Fond du Lac Grading & Lighting	40	16,062.91	10,710.00	26,772.91
65.15.092	4. La Crosse Practical Nurse Lab.	40	7,709.00	5,140.00	12,849.00
65.08.010	5. Eau Claire Preliminary Plans & Storage Bldg.	40	40,115.95	26,745.00	66,860.95
65.22.286	6. Milwaukee Data Processing, Health & Photo Lab.	40	122,972.00	81,975.00	204,947.00
65.14.113	7. Kenosha New Bldg. Phase I	40	1,104,652.13	736,434.74	1,841,086.87
	TOTAL		$1,314,964.35	$876,639.74	$2,191,604.09

Fiscal Year Ending June 30, 1966

Project #	District or School	%	Local	Federal	Total
66.20.08	1. Madison General Remodeling Classrooms	50	$ 37,650.50	$ 37,650.00	$ 75,300.50
66.20.09	2. Madison New Heating Plant	50	80,201.84	80,201.84	160,403.68
66.10.10	3. Eau Claire New Bldg. Phase I	50	1,000,000.00	1,000,000.00	2,000,000.00
66.17.11	4. Kenosha New Bldg. Phase II	40	838,271.33	558,847.00	1,397,118.33
66.27.12	5. Milwaukee Remodeling for New Dental Lab.	50	27,773.93	27,773.93	55,547.86
	TOTAL		$1,983,897.60	$1,704,472.77	$3,688,370.37

Fiscal Year Ending June 30, 1967

Project #	District or School	%	Local	Federal	Total
67.17.13	1. Kenosha New Bldg. Phase III	40	$ 296,122.00	$ 197,414.00	$ 493,536.67
67.27.14	2. Milwaukee Remodeling Classrooms & Labs.	40	342,981.00	228,654.00	571,635.00
67.10.15	3. Eau Claire New Bldg. Phase II	50	728,993.73	728,993.73	1,457,987.46
67.58.16	4. Marathon County New Bldg. Land & Arch. Fee Phase I	50	230,000.00	230,000.00	460,000.00

			Local	Federal	Total
67.20.17	5. Madison Heating Plant (Water Condition)	50	7,356.30	7,356.30	14,712.60
67.39.18	6. Racine Elevator	40	16,806.00	11,204.00	28,010.00
67.17.19	7. Kenosha Horticultural Center	50	82,695.00	82,695.00	165,390.00
67.58.20	8. Marathon County New Bldg. Phase II	50	400,000.00	400,000.00	800,000.00
	TOTAL		$2,104,954.03	$ 1,886,316.73	$ 3,991,270.76

Fiscal Year Ending June 30, 1968

68.58.21	1. Area Vocational, Technical & Ad. Ed. Dist. 15 Wausau Phase III	50	$1,685,000.00	$ 1,685,000.00	$ 3,370,000.00
68.19.22	2. La Crosse New Bldg. Phase I	50	500,000.00	500,000.00	1,000,000.00
	TOTAL		$2,185,000.00	$ 2,185,000.00	$ 4,370,000.00
	TOTAL FOR 1965 TO 1968		$7,588,815.98+	$ 6,652,429.24=	$14,241,245.22

Others - No Federal Aid From State Board

1. Beaver Dam New Bldg. Under Construction		30,000 sq. feet	$ 680,000.00
2. Antigo New Bldg. Plans Being Drawn	50% from E.D.A.	50,000 sq. feet	1,360,000.00
3. West Bend New Bldg. Plans Being Drawn		30,000 sq. feet	980,000.00
4. Ashland New Bldg. Writing Educational Sp.		25,000 sq. feet	525,000.00
5. Madison New Bldg.	40% from Higher Facilities	52,000 sq. feet	1,400,000.00
TOTAL			$4,945,000.00

Fiscal Year Ending June 30, 1969

		%	Local	Federal	Total
69.02.23	1. La Crosse New Bldg. Phase II	50	$1,040,000.00	$ 1,040,000.00	$ 2,080,000.00
69.01.24	2. Eau Claire Shop & Storage	50	32,500.00	32,500.00	65,000.00
69.04.25	3. Madison Dental Lab.	50	39,250.00	39,250.00	78,500.00
	Library	50% of 70	52,910.00	28,490.00	81,400.00
69.50.76	4. Milwaukee Science Labs, Library & Nursing Lab	40	139,084.20	92,722.80	231,807.00
69.08.27	5. Waukesha New Facility Phase I	40	1,305,000.00	600,000.00	2,175,000.00
	TOTAL		$2,608,744.20	$ 1,832,962.80	$ 4,711,707.00

Fiscal Year Ending June 30, 1970

Project #	District or School	%	Local	Federal	Total
70.08.28	1. Area VT&A Dist. 8 New Facility	6.45	$ 4,335,156.00	$ 295,844.00	$ 4,631,000.0
70.03.29	2. Area VT&A Dist. 3 New Facility	26.88	615,949.00	226,466.00	842,415.0
70.12.30	3. Area VT&A Dist. 12 New Facility	13,55	2,830,834.00	443,766.00	3,274,600.0
70.13.31	4. Area VT&A Dist. 13 New Facility	9.46	3,282,030.00	342,970.00	3,625,000.0
	TOTAL		$11,063,969.00	$1,309.046.00	$12,373,015.0

Fiscal Year Ending June 30, 1971

71.09.32	1. Area VT&A Dist. 9 Addition	40	$ 111,590.00	$ 74,400.00	$ 185,990.0
71.04.33	2. Area VT&A Dist. 4 Addition	40	24,000.00	16,000.00	40,000.0
71.03.34	3. Area VT&A Dist. 3 New Facility	28.46	602,615.00	239,800.00	842,415.0
71.12.35	4. Area VT&A Dist. 12 New Facility	11.07	2,912,000.00	362,600.00	3,274,600.0
71.13.36	5. Area VT&A Dist. 13 New Facility	8.67	3,310,672.00	314,328.00	3,625,000.0
71.07.37	6. Area VT&A Dist. 7 Addition	31.92	665,084.00	311,916.00	977,000.0
	TOTAL		$ 7,625,961.00	$1,319,044.00	$ 8,945,005.0

Fiscal Year Ending June 30, 1972

72.01.38	1. Area VT&A Dist. 1 Addition 01-038-151-122	11.05	$ 746,090.00	$ 152,540.00	$ 898,630.0
72.02.39	2. Area VT&A Dist. 2 Addition 02-039-151-122	12.05	780,025.00	175,065.00	955.090.0
72.03.40	3. Area VT&A Dist. 3 Addition 03-040-151-122	8.95	256,780.00	41,300.00	298,080.0
72.04.41	4. Area VT&A Dist. 4 Addition 04-041-151-122	11.05	87,775.00	17,945.00	105,720.0
72.05.42	5. Area VT&A Dist. 5 New Facility 05-042-151-122	7.85	- 0 -	- 0 -	- 0 -
72.07.43	6. Area VT&A Dist. 7 New Facility 07-043-151-122	9.60	1,161,940.00	202,375.00	1,364,315.0
72.09.44	7. Area VT&A Dist. 9 Addition 09-044-151-122	10.50	229,800.00	44,400.00	274,200.0

2.11.45	8. Area VT&A Dist. 11 New Facility 11-045-151-122	9.35	2,017.265.00	340,520.00	$ 2,357,785.00
2.12.46	9. Area VT&A Dist. 12 Addition 12-046-151-122	10.25	664,955.00	124,820.00	789,775.00
2.14.47	10. Area VT&A Dist. 14 New Facility 14-047-151-122	9.35	894,770.00	151,035.00	1,045,805.00
	TOTAL		$6,839,400.00	$1,250,000.00	$ 8,089,400.00

iscal Year Ending June 30, 1973

roject #	District or School	%	Local	Federal	Total
3.01.48	2nd yr. 1. Area VT&A Dist. 1 New Bldg. 01-048-151-123	14.58	$ 850,000.00	$ 173,700.00	$ 1,023,700.00
3.02.49	2nd yr. 2. Area VT&A Dist. 2 New Bldg. 02-049-151-123	13.94	842,100.00	164,530.00	1,006,630.00
3.03.50	1st yr. 3. Area VT&A Dist. 3 New Bldg. 03-050-151-123	12.18	561,000.00	95,775.00	656,775.00
3.05.51	1st yr. 4. Area VT&A Dist. 5 New Facility 05-051-151-123	12.02	1,127,500.00	189,955.00	1,317,455.00
3.09.52	5. Area VT&A Dist. 9 Remodeling 09-052-151-123	13.78	239,750.00	46,310.00	286,060.00
3.11.53	2nd yr. 6. Area VT&A Dist. 11 New Facility 11-053-151-123	11.22	2,250,000.00	353,835.00	2,603,835.00
3.14.54	1st yr. 7. Area VT&A Dist. 14 New Bldg. 14-054-151-123	11.54	650,000.00	105,140.00	755,140.00
3.16.55	8. Area VT&A Dist. 16 New Bldg. 16-055-151-123	10.74	470,000.00	70,755.00	540,755.00
	TOTAL		$6,990,350.00	$1,200,000.00	$ 8,190,350.00

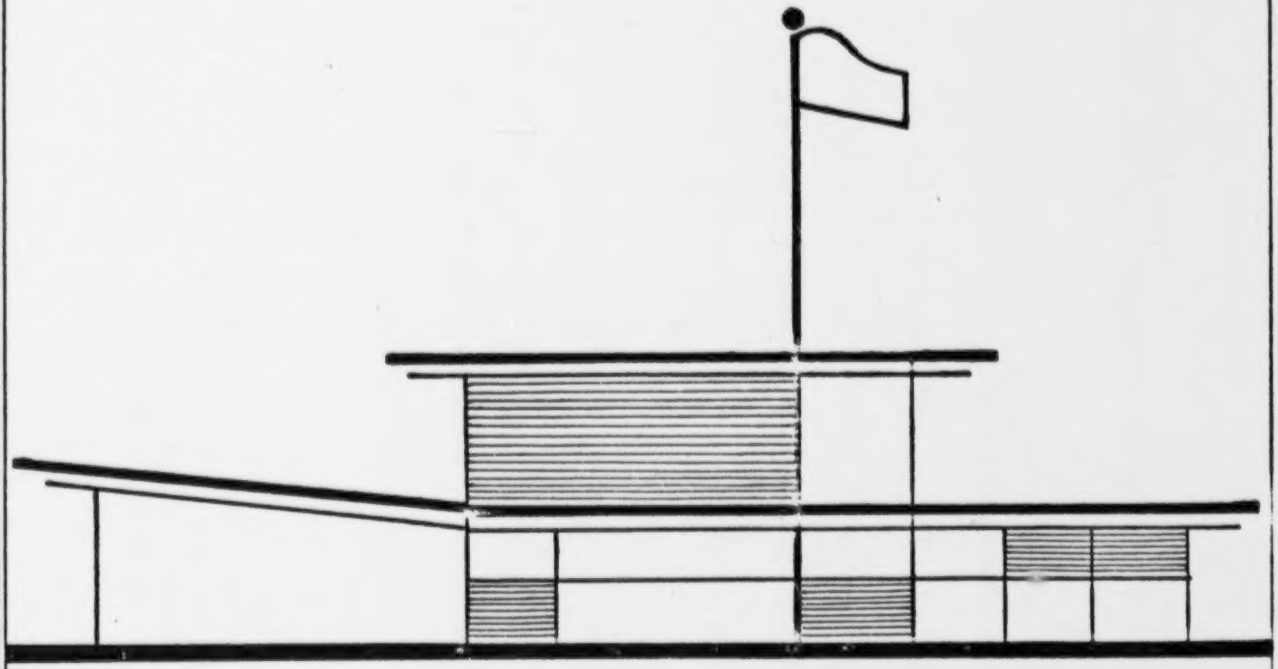
CONSTRUCTION COST ANALYSIS

SCHOOLS OF VOCATIONAL, TECHNICAL AND ADULT EDUCATION

KENOSHA
EAU CLAIRE
WAUSAU

BEAVER DAM
LA CROSSE
WAUKESHA

FENNIMORE
APPLETON
GREEN BAY



Wisconsin Board of Vocational, Technical and Adult Education

Madison, Wisconsin

Eugene I. Lehrmann, Director

CONSTRUCTION COSTS ANALYSIS
Schools of Vocational, Technical and Adult Education in Wisconsin

	KENOSHA	FOND DU LAC	DISTRICT 6 KENOSHA	DISTRICT 1 EAU CLAIRE	DISTRICT 15 MARATHON CO.	DISTRICT 10 BEAVER DAM	DISTRICT 2 LA CROSSE	DISTRICT 8 WAUKESHA	District 3 Fennimore	District 12 Appleton	District 13 Green Bay
1. Year of Construction	1948	1962	1965	1965	1967	1967	1968	1970	1970	1970	1970
2. School size; students	800	350	2,050	2,000	2,200	200	750	2300	650	2500	2650
3. Total cost	$1,439,000	$856,898	$3,897,130	$3,457,997	$4,600,000	$694,709	$2,503,901	$6,985,197.00	$1,699,148.00	$6,277,880.	$7,952.417.
4. Total number square feet	77,000	61,000	183,700	183,286	213,611	30,596	98,300	244,500.00	80,880	252,712	270,000
5. Land size	6.5	14	53	46.5	96+	22.6	+2	98.6	53	110	191
6. Cost per square foot	$ 18.66	$ 14.05	$ 20.45	$ 18.56	$ 22.02	$ 22.75	$ 25.47	28.56	$ 21.01	$ 24.84	$ 29.45
7. Number of square feet per student	96.25	174.28	92.95	91.64	106	153	131.25	106.34	135.72	101.08	101.88
8. Cost per student	$1,798.77	$ 2,448.25	$1,901.10	$1,728.99	$2,351.00	$3,473.00	$3,364.00	$3,037.00	$2,614.00	$2,511.00	$3,000.00
9. Average cost of land per acre	$6,000.00	$ 1,000.00	$4,792.45	$6,125.00	$3,500.00	$2,471.32	$64,500.00	$3,100.00	$ 400.00	$ -0-	$3,926.00
10.											
11.											

Cost Analysis: Our type of School - National Average

1. Cost per square foot - $21.00 to $34.00 - (Total Cost)
2. Cost per Student - $3,050.00
3. Square feet per Student 150 to 175 - (On Gross Area)

CONSTRUCTION COST ANALYSIS BY TRADES

DISTRICT #6 - KENOSHA

2,050 students 183,200 square feet $3,731,741 cost

TRADE	TOTAL COST	COST PER SQUARE FOOT	% OF TOTAL COST	% OF CONSTRUCTION ONLY W/O LAND
General construction	$ 2,066,810.00	$ 11.254	56%	62.5%
Electrical	447,067.00	2.436	11.64%	13.65%
Heat & Air Cond.	249,500.00	1.352	6.74%	7.65%
Plumbing	241,995.00	1.314	6.44%	7.45%
Paint & Decorating	52,241.00	.284	1.44%	1.75%
Elevator	14,970.00	.084	.004%	.00452%
Ventilating	184,886.00	1.006	4.94%	5.65%
Soil Test	1,044.00	.005		
Science Equipment	36,140.00	.196	.98%	1.08%
Home Ec. Equipment	13,591.00	.073	.44%	.49%
Land	254,000.00	1.382	6.84%	
Architects Fees	169,497.00	.924	4.64%	5.05%
TOTAL	$3,731,741.00	20.31	100%	
W/O Land	3,477,741.00	18.98		

CONSTRUCTION COST ANALYSIS BY TRADES

DISTRICT #1 - EAU CLAIRE

2,000 students 183,286 square feet $3,329,896.00 cost

TRADE	TOTAL COST	COST PER SQUARE FOOT	% OF TOTAL COST	% OF CONSTRUCTION ONLY W/O LAND
General construction	$ 1,751,500.00	$ 9.50	52.73%	57.16%
Plumbing & sewering	186,000.00	1.02	5.66%	6.07%
Heating, Vent. & A.C.	313,500.00	1.71	9.44%	10.23%
Mech. Sheet metal	149,540.00	.76	4.19%	4.88%
Electrical	366,850.00	2.001	11.04%	11.97%
Kitchen equipment	157,831.00	.86	4.576%	5.10%
Elevator	23,400.00	.12	.742%	.76%
Architects fee	117,537.00	.64	3.586%	3.83%
Land	265,738.00	1.45	8.036%	
TOTALS	3,329,896.00	18.11	100%	100%
W/O Land	3,064,158.00	16.71		

CONSTRUCTION COST ANALYSIS BY TRADES

DISTRICT #15 - WAUSAU

2,200 students 213,611 square feet $4,632,295.27 cost

TRADE	TOTAL COST	COST PER SQUARE FOOT	% OF TOTAL COST	% OF CONSTRUCTION ONLY W/O LAND
General construction	$ 2,190,692.00	$10.25	47.4%	50.9%
Plumbing	220,707.00	1.04	4.8%	5.1%
Heating, Vent & A.C.	968,350.00	4.54	20.5%	22.7%
Electrical	639,993.78	2.99	13.9%	14.8%
Elevator	23,450.00	.10	.60%	.7%
Land	336,000.00	1.58	7.3%	
Architects Fee	243,329.75	1.14	5.3%	5.6%
Site Survey & Insurance	9,772.74	.04	.2%	.22%
TOTALS	4,632,295.27	21.68	100%	100%
W/O LAND	4,296,295.00	20.11		

CONSTRUCTION COST ANALYSIS BY TRADES

DISTRICT #2 - La Crosse

750 students | 98,300 square feet | $2,503,901.00 cost

TRADE	TOTAL COST	COST PER SQUARE FOOT	% OF TOTAL COST	% OF CONSTRUCTION ONLY W/O LAND
General construction	$1,290,669.00	$13.12	51.34%	54.21%
Electrical	$ 213,840.00	$ 2.17	8.58%	8.99%
Heat & Vent.	$ 176,830.00	$ 1.79	7.10%	7.44%
Plumbing	$ 102,339.00	$ 1.04	4.12%	4.31%
Air. Cond.	$ 95,500.00	$ 0.97	3.85%	4.02%
Elevator	$ 38,245.00	$ 0.39	1.56%	1.61%
Fixed equipment	$ 258,478.00	$ 2.63	10.36%	10.87%
Site Development	$ 65,000.00	$ 0.66	2.59%	2.74%
Land	$ 125,000.00	$ 1.27	4.99%	
Architects fees	$ 138,000.00	$ 1.40	5.51%	5.81%
TOTAL	$2,503,901.00	$25.47	100%	100%
W/O Land	$2,378,901.00	$24.20		

CONSTRUCTION COST ANALYSIS BY TRADES

DISTRICT #8 WAUKESHA

2300 Students 244,500 Gross Square Feet Cost $6,985,197.

Trade	Total Cost	Cost Per Square Foot	% of Total Cost	% of Construction Only W/O Hand
1. General Construction	$3,808,875.00	$15.57	54.52 %	57.06 %
2. Plumbing	$ 327,430.00	$ 1.34	4.68 %	4.90 %
3. Heat, Vent. & A.C.	$ 975,717.00	$ 3.99	13.96 %	14.61 %
4. Electrical	$ 673,650.00	$ 2.78	9.64 %	10.08 %
5. Elevator	$ 38,261.00	$ .15	.523%	.581%
6. Carpet	$ 85,000.00	$ .34	1.216%	1.261%
7. Kitchen Eq.	$ 15,218.00	$ .062	.217%	.223%
8. Chalk Bd., Science, Seating & Cl. Rm. Eq.	$ 91,676.00	$ .37	1.312%	1.32 %
9. Arch. Fees	$ 348,370.00	$ 1.43	4.93 %	5.35 %
10. Site Cost	$ 310,000.00	$ 1.26	4.55 %	---
11. Moveable Eq.	$ 281,000.00	$ 1.14	4.02 %	4.18 %
12. Utilities & Contingency	$ 30,000.00	$ .13	.432%	.435%
13. Total	$6,985,197.00	$28.56	100%	100%
14. Total W/O Hand	$6,675,197.00	$27.30		

CONSTRUCTION COST ANALYSIS BY TRADES

DISTRICT 3 FENNIMORE

650 Students | 80,880 Gross Square Feet | Cost $1,699,148.00

Trade	Total Cost	Cost Per Square Foot	% of Total Cost	% of Construction Only W/O Land
1. General Construction	$ 917.500.00	$11.34	53.99%	54.68%
2. Plumbing	$ 115,175.00	$ 1.42	6.78%	6.87%
3. Heating, Ventilation & Air Conditioning	$ 218,592.00	$ 2.70	12.86%	13.00%
4. Site Development	$ 98,000.00	$ 1.21	5.78%	5.85%
5. Electrical	$ 210,624.00	$ 2.60	12.39%	12.55%
6. Architectural Fees	$ 87,715.00	$ 1.08	5.16%	5.23%
7. Land	$ 21,200.00	$ .26	1.25%	--
8. Fixed Equipment	$ 30,342.00	$ .38	1.79%	1.82%
9.				
10.				
11.				
12.				
13. Total With Land	$1,699,148.00	$21.01	100%	--
14. Total Without Land	$1,677,948.00	$20.75	--	100%

CONSTRUCTION COST ANALYSIS BY TRADES

DISTRICT 12 APPLETON

2,500 Students | 252,712 Gross Square Feet | Cost $6,277,880.00

Trade	Total Cost	Cost Per Square Foot	% of Total Cost	% of Construction Only W/O Land
1. General Construction	$3,283,300.00	$12.99	52.10%	--
2. Plumbing	$ 362,550.00	$ 1.44	5.72%	--
3. Heating, Ventilation & Air Conditioning	$ 909,000.00	$ 3.59	14.37%	--
4. Electrical	$ 776,853.00	$ 3.08	12.27%	--
5. Elevator	$ 14,801.00	$ .06	.24%	--
6. Fixed Equipment	$ 164,626.00	$ .65	2.52%	--
7. Painting	$ 74,450.00	$ .29	1.86%	--
8. Site Development	$ 365,000.00	$ 1.45	5.71%	--
9. Architectural Fees	$ 327,300.00	$ 1.29	5.21%	--
10. Land	-0-	-0-	-0-	-0-
11.				
12.				
13. Total With Land	$6,277,880.00	$24.84	100%	--
14. Total Without Land	--	--	--	--

CONSTRUCTION COST ANALYSIS BY TRADES

DISTRICT 13 GREEN BAY

2,650 Students

270,000 Gross Square Feet

Cost $7,952,417.00

Trade	Total Cost	Cost Per Square Foot	% of Total Cost	% of Construction Only W/O Land
1. General Construction	$4,238,677.00	$15.70	53.30%	58.80%
2. Electrical	$ 751,485.00	$ 2.78	9.45%	10.45%
3. Heating	$ 765.400.00	$ 2.83	9.63%	10.63%
4. Sheet Metal & Ventilation	$ 432,500.00	$ 1.60	5.43	6.00%
5. Plumbing	$ 379,800.00	$ 1.41	4.78%	5.28%
6. Laboratory Equipment	$ 95,719.00	$ .35	1.20%	1.34%
7. Metal Lockers	$ 39,470.00	$ .15	.50%	.56%
8. Carpet	$ 66,320.00	$ .25	.83%	.93%
9. Elevators	$ 38,376.00	$ .14	.48%	.53%
10. Land	$ 750,000.00	$ 2.78	9.44%	—
11. Architects' Fees	$ 394,670.00	$ 1.46	4.96%	5.48%
12.				
13. Total With Land	$7,952,417.00	$29.45	100%	
14. Total Without Land	$7,202,417.00	$26.67		100%

CONSTRUCTION PROJECT ANALYSIS

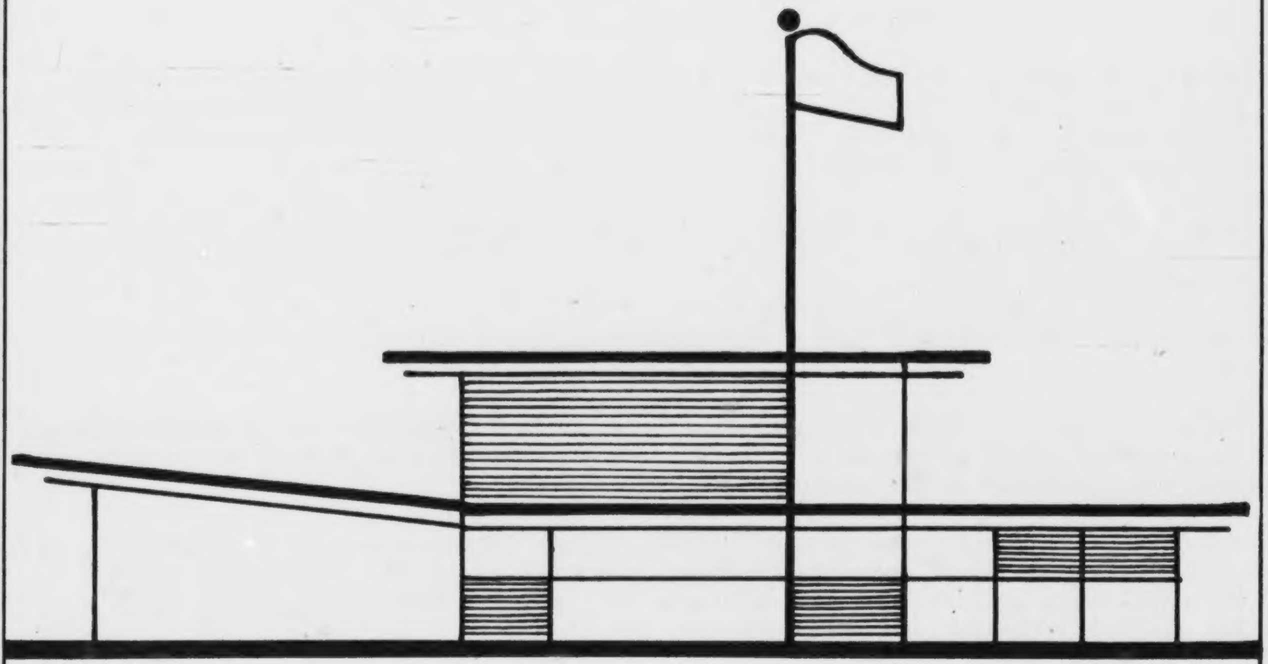
NAME OF SCHOOL La Crosse Area School of Vocational, Technical and Adult Education DISTRICT # 2

LOCATION La Crosse
Wisconsin

AREA DIRECTOR C. H. Richardson

PROJECT NO. 68-56-22 DATE October, 1967

ARCHITECT Hackner, Schroeder and Associates



Wisconsin Board of Vocational, Technical and Adult Education

Madison, Wisconsin

E. I. Lehrmann, Director

II

NARRATIVE ON PROPOSED FACILITY
(Establishment of Need)

Name of School COLEMAN TECHNICAL INSTITUTE District # 2

A summary of our Guidelines and Long Range Plan reveals the Coleman Technical Institute's present facility has 58,000 square feet of active instructional area. To accommodate 1040 full time students presently enrolled, the Board of Vocational, Technical and Adult Education has rented two additional buildings to take care of two classes in Auto Mechanics, all the Apprenticeship classes, the Commercial Art Laboratories and Supervisory Training classes.

With the overwhelming increase in enrollment, the local Board of Vocational, Technical and Adult Education retained the architectural firm of Hackner, Schroeder and Associates, Incorporated to design a new Health Science building. Upon State Board approval for financing 50% of the new building, and an additional three blocks of property, the City Council of the local School District approved the remaining 50% through bonding the district.

The proposed new building will be four stories high and will have 98,000 square feet of active instructional and non-instructional area. Approximately 72% of the building will be usable square feet.

The fourth floor of the building will include the following instructional areas: Medical Laboratory Assistant, Medical Assistants Laboratory, Surgical Assistants Laboratory, Dental Assistants Laboratory, X-ray Technology Laboratory, Nursing Laboratory and one classroom.

The third floor of the building will have the following instructional areas: Biology, Physics, Chemistry, Medical Electronics and three Electronics Laboratories.

The Library, Audio-Visual Center and three classrooms will comprise the second floor.

The main floor will have a Student Cafeteria and a Student Services Complex while the basement level will have the Institutional Foods program, a Book Store and possibly a Student Lounge area.

The new building will make it possible for the La Crosse School to accommodate approximately 400 more students, besides providing space for an adequate Library and Cafeteria. The additional two blocks will provide ample parking for faculty and students attending Coleman Technical Institute.

III

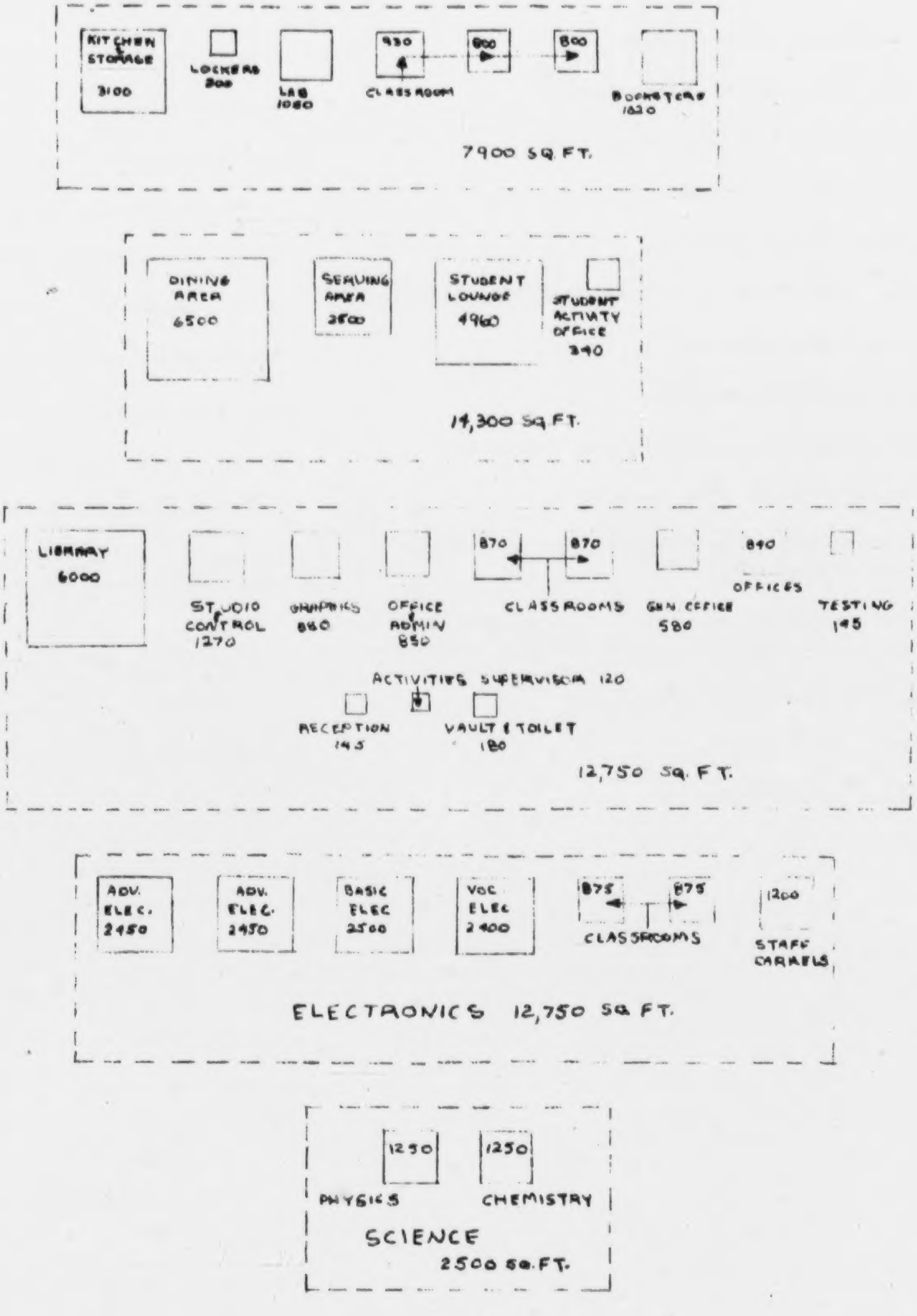
PROJECT SCHEDULE

Name of School Coleman Technical Institute District # 2

		Tentative Date	Approval Date
1.	Preliminary need studies		
2.	Area board action to proceed		
3.	Development of long-range plan		
4.	Area board approval		
5.	State office approval		
6.	The development of educational specifications		
7.	Area board approval		
8.	State office approval		
9.	Selection and commissioning architect		
10.	Site study and site selection		
11.	Development of schematic plans with state and area approval	12/20/67	
12.	Development of construction plans and specifications with state and area approval	4/15/68	
13.	Establishment of bidding date	5/23/68	
14.	Award of contracts	6/13/68	
15.	Start construction	7/1/68	

SPACE AND CONFIGURATION DIAGRAM OF ASSIGNABLE SPACES
Scale 1" = 50 ft.

Name of School Coleman Technical Institute **District #** 2

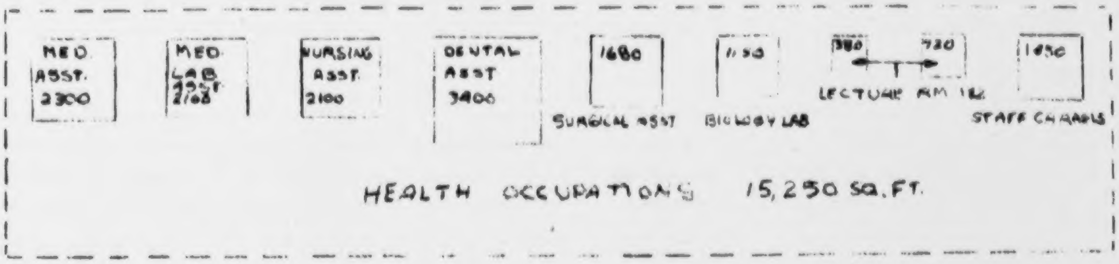

KITCHEN & STORAGE 3100
LOCKERS 300
LAB 1080
930
800
800
CLASSROOM
BOOKSTORE 1020
7900 SQ. FT.
DINING AREA 6500
SERVING AREA 2500
STUDENT LOUNGE 4960
STUDENT ACTIVITY OFFICE 340
14,300 SQ. FT.
LIBRARY 6000
STUDIO & CONTROL 1270
GRAPHICS 880
OFFICE & ADMIN 850
870
870
CLASSROOMS
GEN OFFICE 580
840
OFFICES
TESTING 145
ACTIVITIES SUPERVISOR 120
RECEPTION 145
VAULT & TOILET 180
12,750 SQ. FT.
ADV. ELEC. 2450
ADV. ELEC. 2450
BASIC ELEC 2500
VOC ELEC 2400
875
875
CLASSROOMS
1200
STAFF CARRELS
ELECTRONICS 12,750 SQ. FT.
1250
1250
PHYSICS
CHEMISTRY
SCIENCE
2500 SQ. FT.

IV

SPACE AND CONFIGURATION DIAGRAM OF ASSIGNABLE SPACES

Scale 1" = 50 ft.

Name of School Coleman Technical Institute **District #** 2


MED. ASST. 2300
MED. LAB ASST. 2160
NURSING ASST. 2100
DENTAL ASST 3400
1680
SURGICAL ASST
1150
BIOLOGY LAB
380
720
LECTURE RM 1&2
1850
STAFF CARRELS
HEALTH OCCUPATIONS 15,250 SQ. FT.

V

SCHEDULE OF ASSIGNABLE SPACES

Name of School Coleman Technical Institute District # 2

Space	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
A. Classrooms				
1. Fourth Floor	2	380/720	1100	74
2. Third Floor	2	875	1750	70
3. Second Floor	2	870	1740	76
4. Basement	3	2@800/1@930	2530	110
B. Laboratories - Function				
1. Medical Asst.	1		2300	24
2. Medical Lab. Asst.	1		2100	18
3. Nursing Asst.	1		2100	24
4. Dental Asst.	1		3400	36
5. Surgical Asst.	1		1680	18
6. Biology	1		1150	24
7. Physics	1		1250	24
8. Chemistry	1		1250	24
9. Adv. Electronics	1		2450	16
10. Adv. Elect.	1		2450	16
11. Basic Elect.	1		2500	24
12. Vocational Elect.	1		2400	24
13. Institutional Foods	1		4350	24
C. Offices				
1. Guidance	10		2010	
2. Staff	26		2650	
3. Student Activities	1		340	
5. Book Store	1		1020	
D. Other Instructional - Function				
1. Library	1		6000	
2. Cafeteria	1		9000	
4. A/V 3. =Lounge	1		4960	
E. Non-Instructional Space	1		3000	
1. Heat, power & mech.	1		6000	
2. Custodial	1		5000	
3. Toilets			4500	
4. Shower & locker	1		500	
5. Corridors			19510	
6.				

TOTAL

I. NET ASSIGNABLE AREA 65,650 sq. ft.

II. NON-ASSIGNABLE AREA 32,650

III. GROSS AREA 98,300

IV. TOTAL STUDENT STATIONS 626

V. NO. OF STUDENTS TO BE SERVED

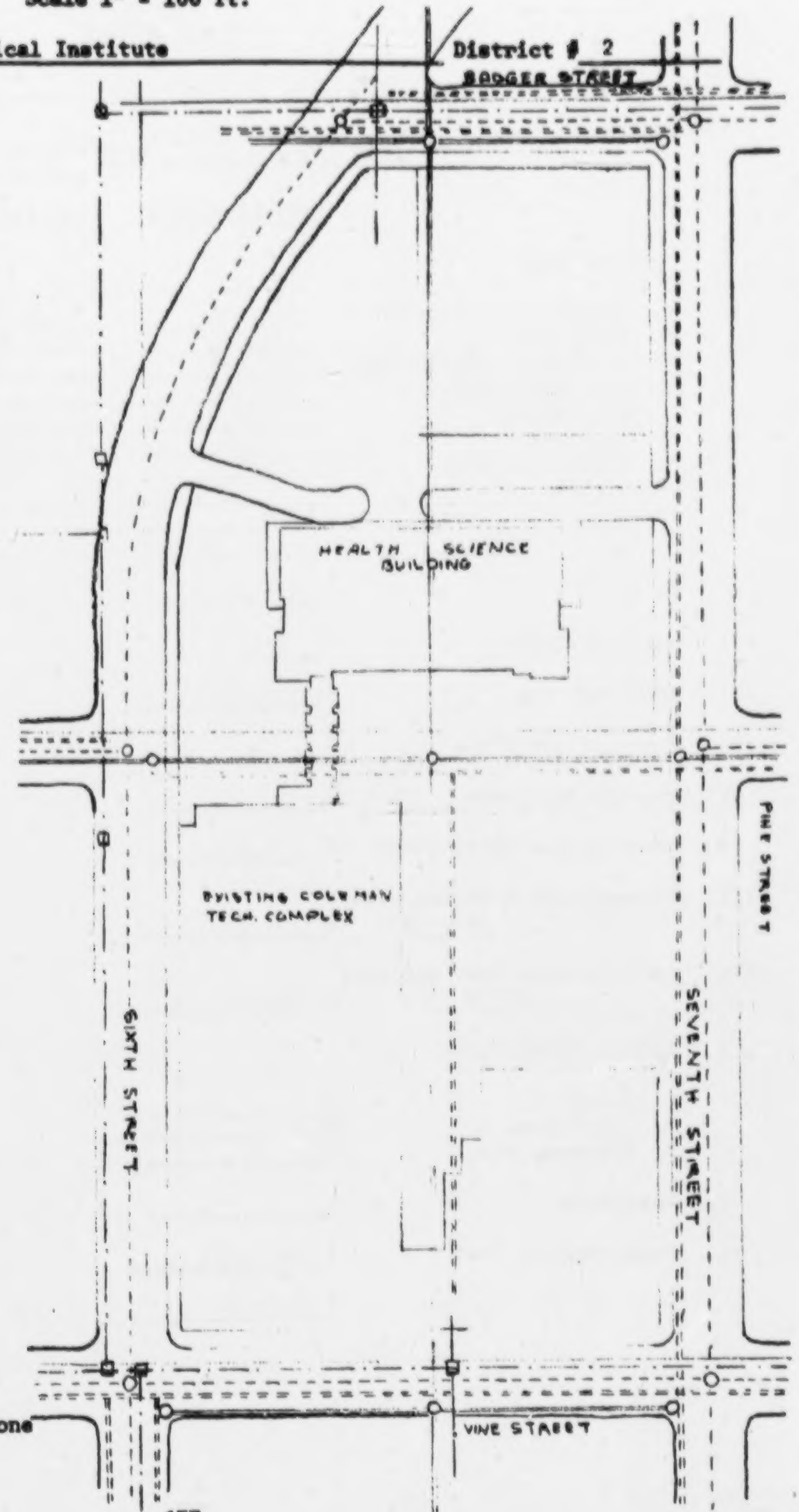
Full-time

Part-time

SITE PLAN

Scale 1" = 100 ft.

Name of School Coleman Technical Institute District # 2


BADGER STREET
HEALTH SCIENCE BUILDING
EXISTING COLEMAN TECH. COMPLEX
SIXTH STREET
SEVENTH STREET
PINE STREET
VINE STREET

UTILITY CODE

W	————————	Water Service
San	----------	Sanitary Sewer
St	━━━━━━━━	Storm Sewer
G	▬▬▬▬▬▬▬▬	Gas Service
E	.-.-.-.-.-.	Electric & Telephone Service

VII

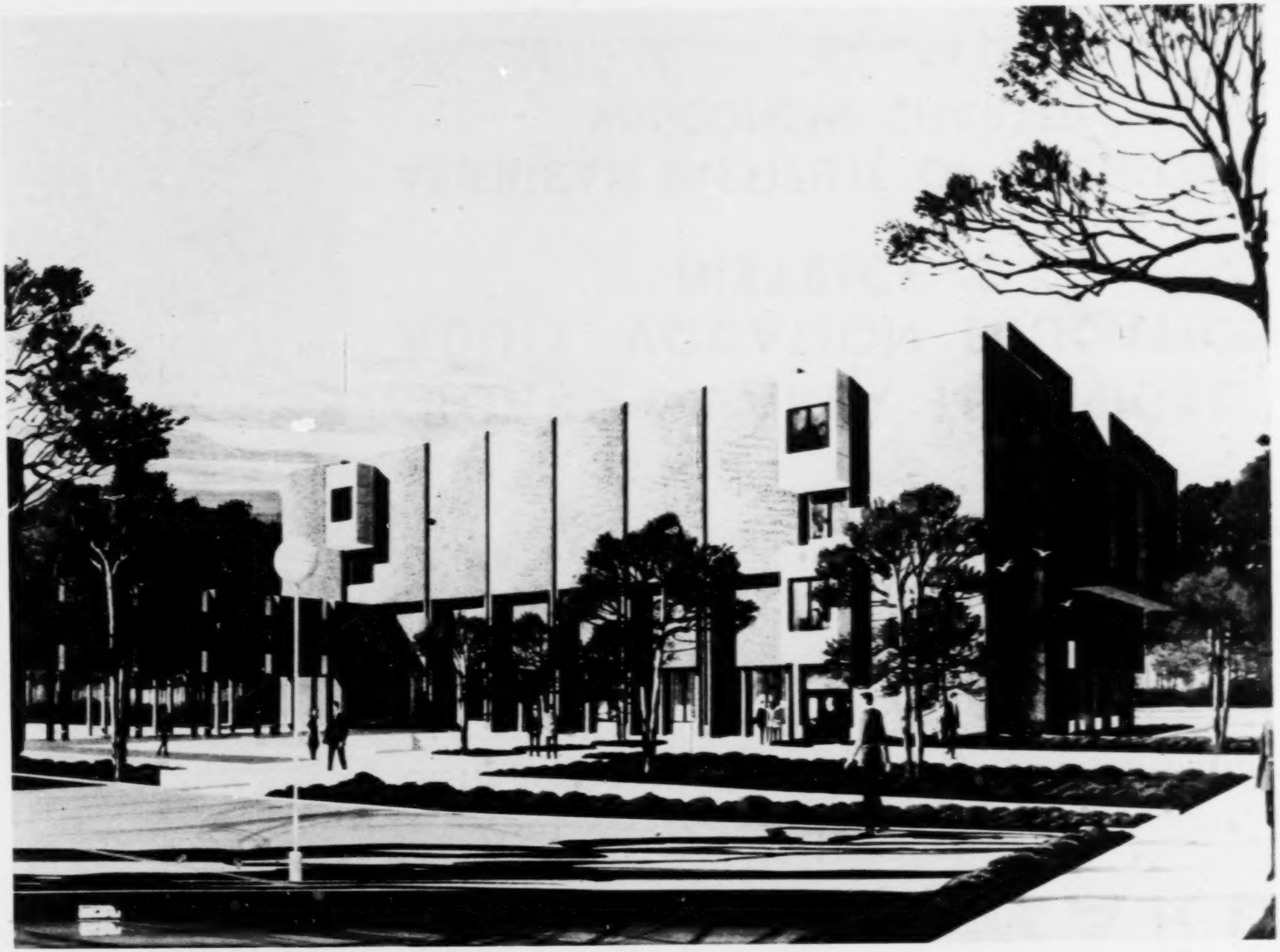
PROJECT BUDGET

Name of School Coleman Technical Institute **District #** [illegible]

Net Assignable Area 65,650 **Non-Assignable** 32,650 **Gross Area** 98,300

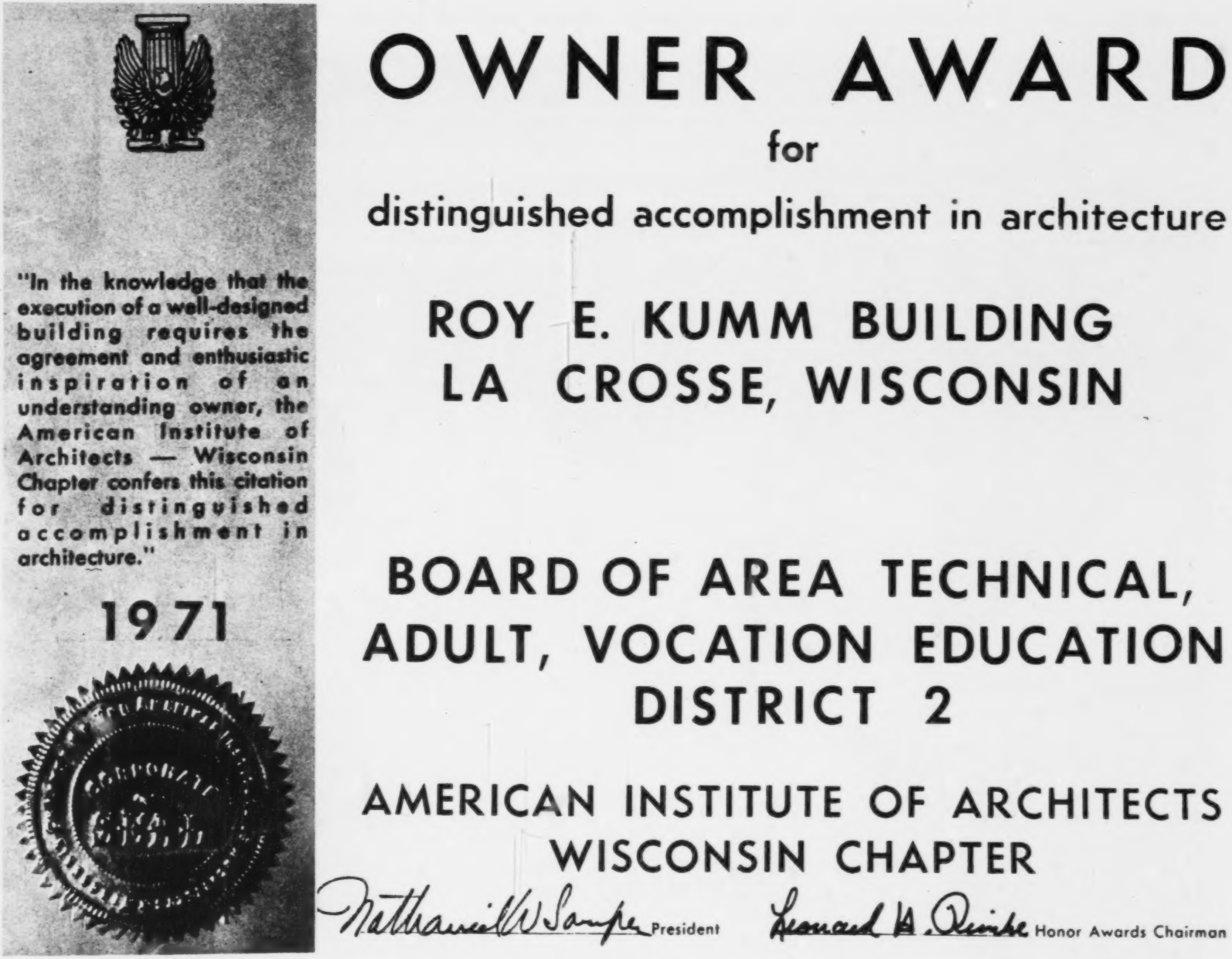
% in Non-Assignable Area 32.5%

		Budget Estimate	Cost Per Sq. Ft.	Contract Award
I.	Construction			
	A. General construction	975,000	9.95/13.12	1,290,669
	B. Plumbing	115,000	1.17/ 1.06	102,339
	C. Heating & ventilating	200,000	2.04/ 1.79	176,830
	D. Air conditioning	125,000	1.27/ 0.97	95,500
	E. Electrical	225,000	2.30/ 2.17	213,840
	F. Elevator	60,000	0.61/ 0.39	38,245
	G. Fixed equipment	250,000	2.54/ 2.63	258,478
	H. Other			
	I.			
	J.			
	TOTAL	1,950,000	19.90/22.13	2,175,901
II.	Site Development	$ 85,000		$ 65,000
III.	Architect Fee ____ %	$ 125,000		$ 138,000
IV.	Clerk of the Works	$		$
V.	Movable Equipment ____ %	$		$
VI.	Construction Contingency	$ 75,000		$ 50,000
VII.	Construction Cost Increase 5.4 %	$ 100,000		$ 100,000
VIII.	Land Purchase Cost per acre ____ X ____	$ 615,000		$ 615,000
IX.	Utility Extensions			
	1. Sewer	$		$
	2. Electrical	$		$
	3. Streets, etc.	$		$
X.	Demolition	$		$
XI.	Total Project Cost	$ 2,950,000		$ 3,143,901
		$ 3,080,000		



HEALTH SCIENCE BUILDING FOR COLEMAN TECHNICAL INSTITUTE

HACKNER, SCHROEDER & ASSOCIATES · ARCHITECTS, LA CROSSE



"In the knowledge that the execution of a well-designed building requires the agreement and enthusiastic inspiration of an understanding owner, the American Institute of Architects — Wisconsin Chapter confers this citation for distinguished accomplishment in architecture."

1971

OWNER AWARD

for

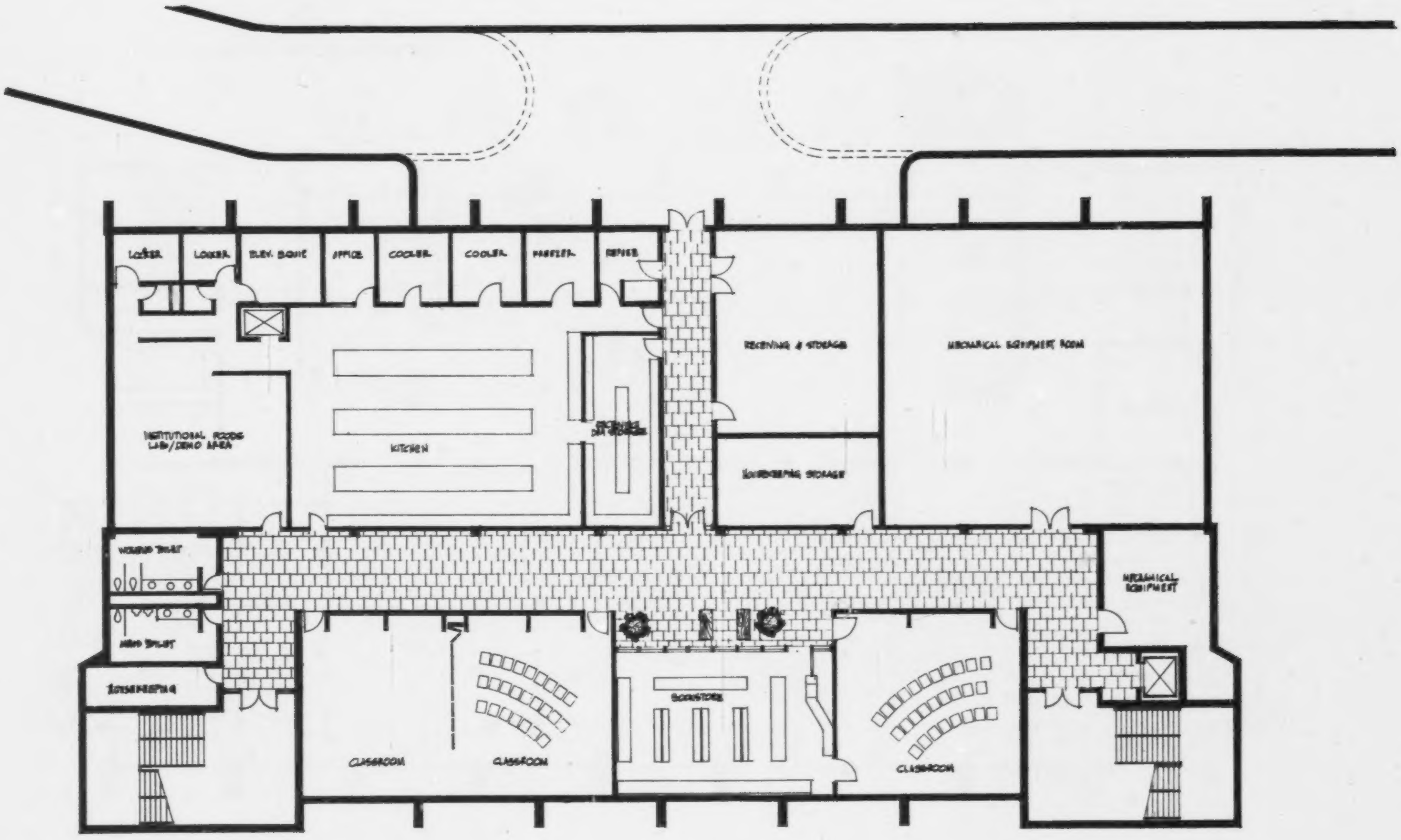
distinguished accomplishment in architecture

ROY E. KUMM BUILDING
LA CROSSE, WISCONSIN

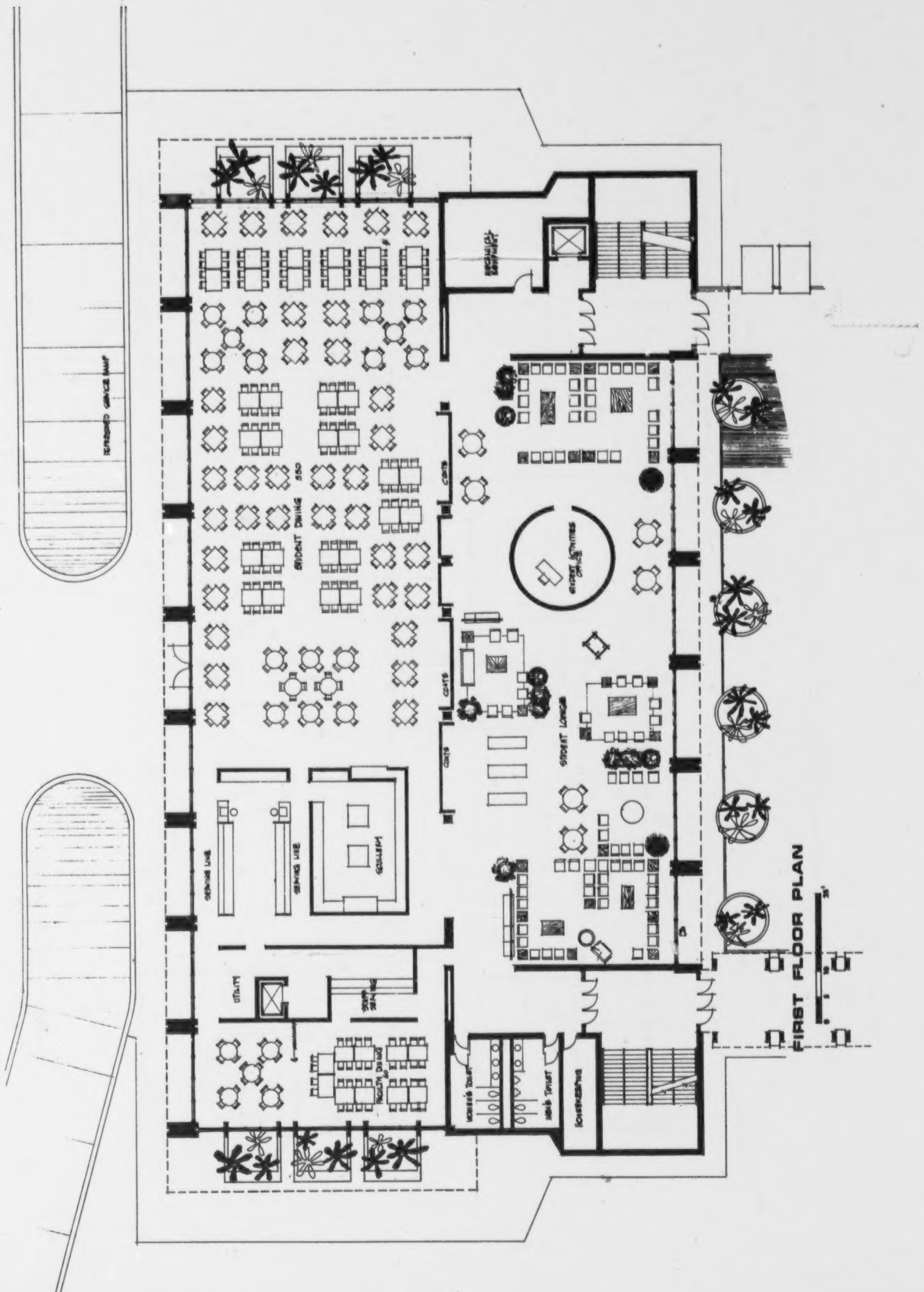
BOARD OF AREA TECHNICAL,
ADULT, VOCATION EDUCATION
DISTRICT 2

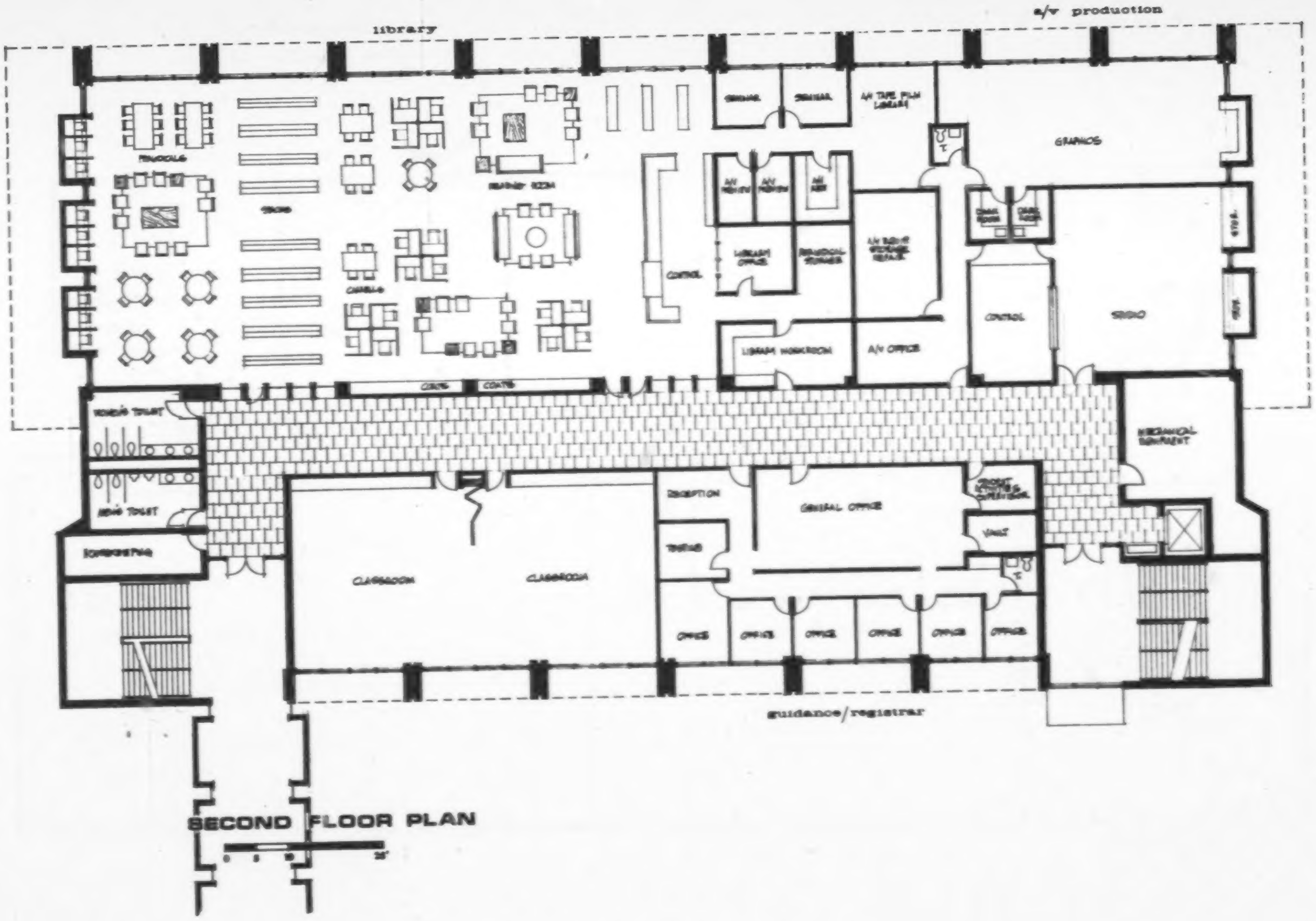
AMERICAN INSTITUTE OF ARCHITECTS
WISCONSIN CHAPTER

Nathaniel W Sample President Leonard H. Reinke Honor Awards Chairman

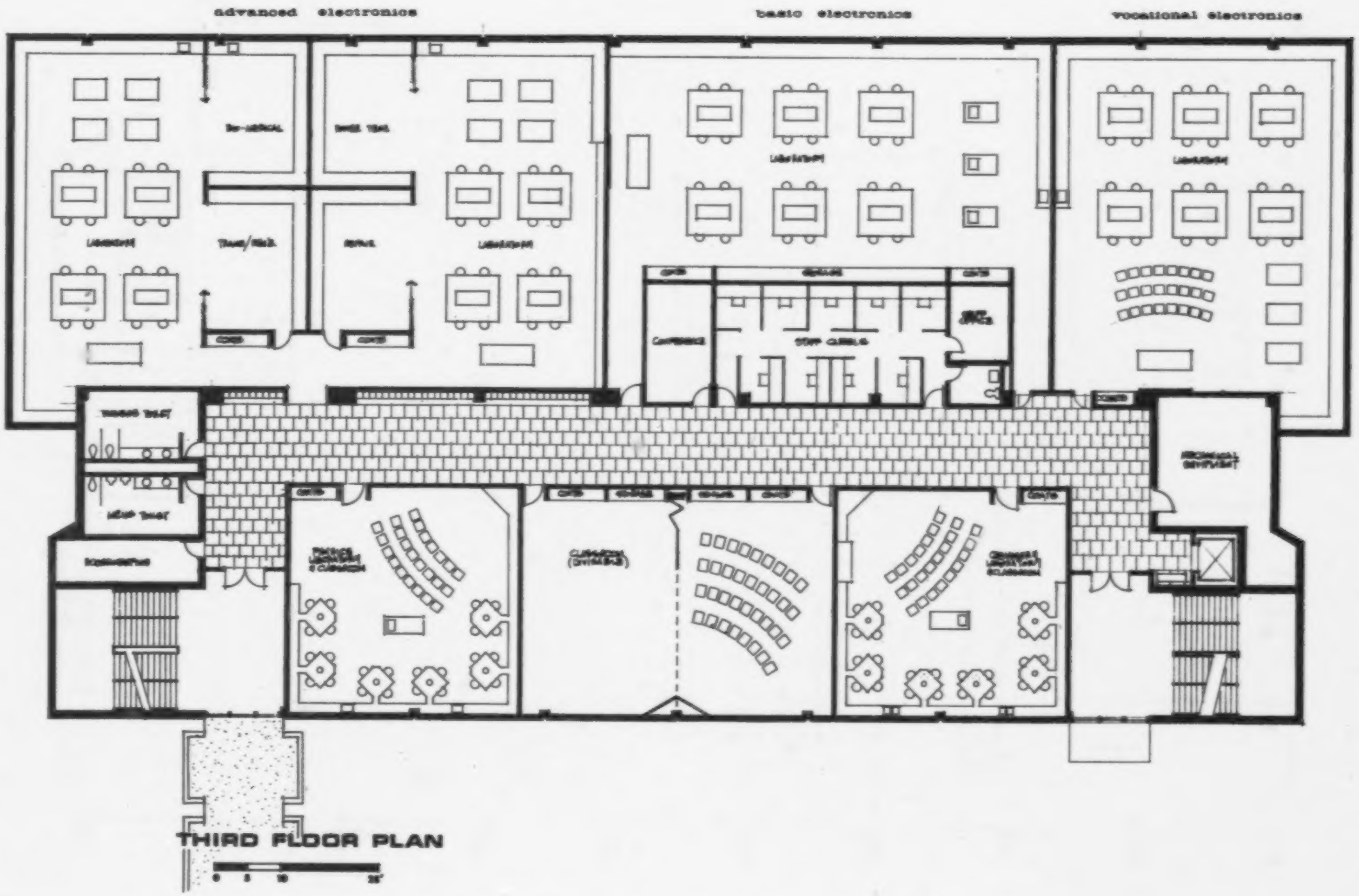

LOCKER
LOCKER
ELEV. EQUIP.
OFFICE
COOLER
COOLER
FREEZER
REFUSE
INSTITUTIONAL FOODS LAB/DEMO AREA
KITCHEN
RECEIVING & STORAGE
HOUSEKEEPING STORAGE
MECHANICAL EQUIPMENT ROOM
WOMENS TOILET
MENS TOILET
HOUSEKEEPING
CLASSROOM
CLASSROOM
BOOKSTORE
CLASSROOM
MECHANICAL EQUIPMENT
0
5
10
25

BASEMENT FLOOR PLAN

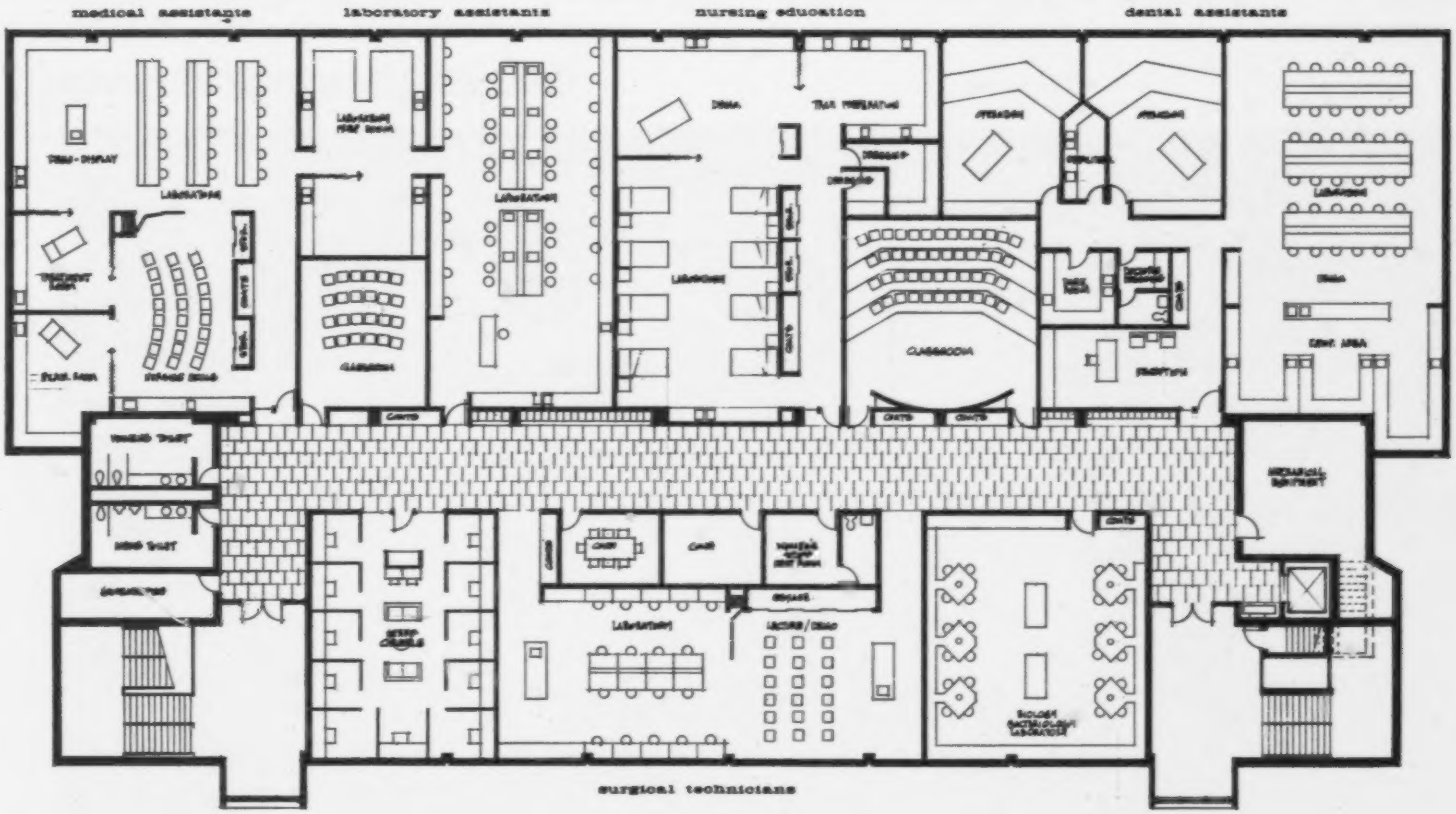

DEPRESSED SERVICE RAMP
MECHANICAL EQUIPMENT
STUDENT DINING 550
COATS
COATS
COATS
STUDENT ACTIVITIES OFFICE
STUDENT LOUNGE
SERVING LINE
SERVING LINE
UTILITY
FACULTY DINING
WOMEN'S TOILET
MEN'S TOILET
HOUSEKEEPING
FIRST FLOOR PLAN


library
a/v production
SEMINAR
SEMINAR
A/V TAPE FILM LIBRARY
GRAPHICS
A/V PREVIEW
A/V PREVIEW
LIBRARY OFFICE
PERIODICAL STORAGE
DARK ROOM
DARK ROOM
STOR.
STOR.
STACKS
READING ROOM
CARRELS
CONTROL
CONTROL
STUDIO
LIBRARY WORKROOM
A/V OFFICE
COATS
COATS
WOMEN'S TOILET
MEN'S TOILET
MECHANICAL EQUIPMENT
RECEPTION
GENERAL OFFICE
VAULT
TESTING
CLASSROOM
CLASSROOM
OFFICE
OFFICE
OFFICE
OFFICE
OFFICE
OFFICE
guidance/registrar
0
5
10
20'

SECOND FLOOR PLAN

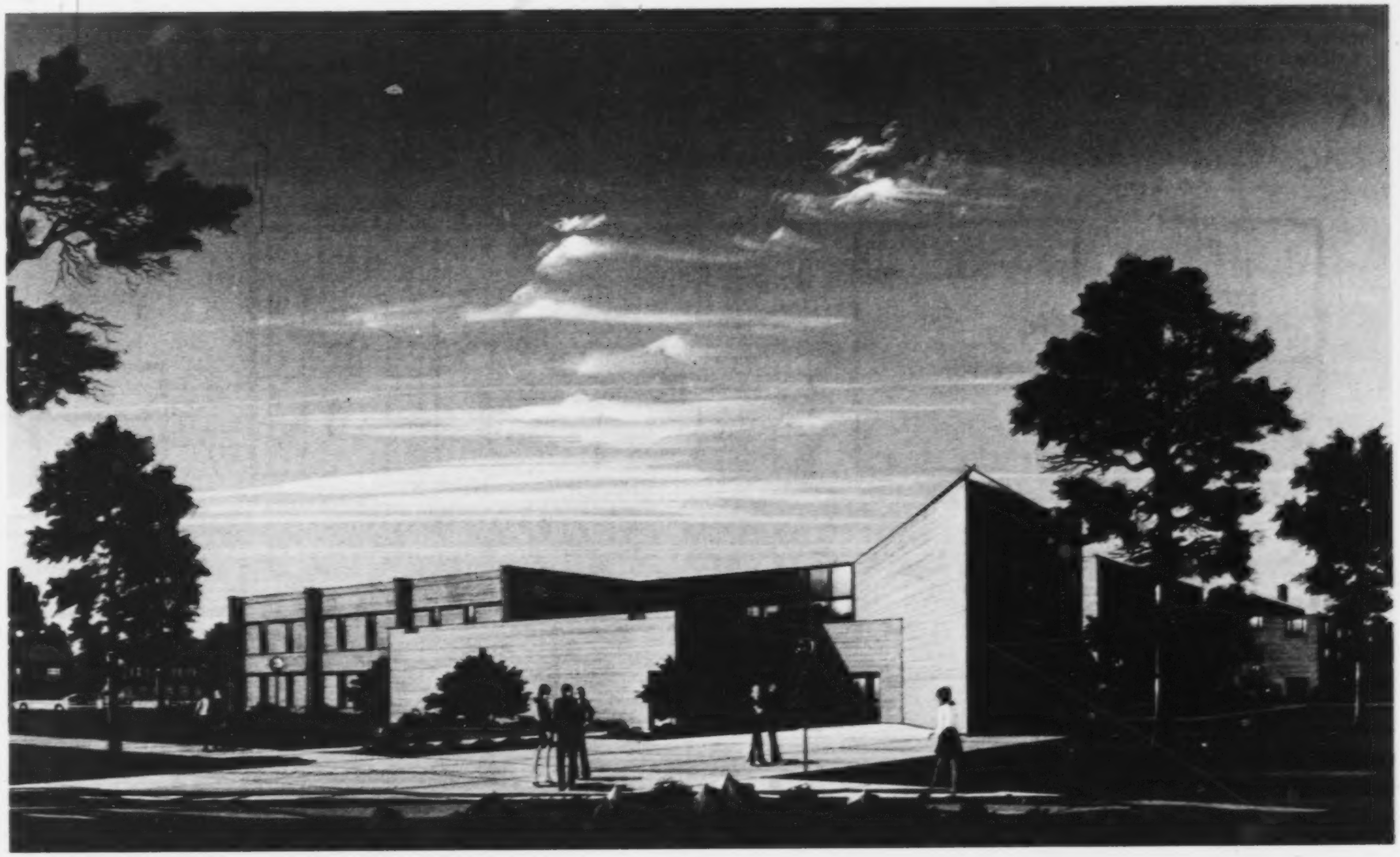

advanced electronics
basic electronics
vocational electronics
LABORATORY
TRANS/REC.
REPAIR
CONFERENCE
STAFF CUBICLES
CLASSROOM (DIVISIBLE)
MECHANICAL EQUIPMENT
WOMEN'S TOILET
MEN'S TOILET
0
5
10
20'

THIRD FLOOR PLAN


medical assistants
laboratory assistants
nursing education
dental assistants
LABORATORY
CLASSROOM
COATS
WOMEN'S TOILET
MEN'S TOILET
LECTURE/DEMO
BIOLOGY BACTERIOLOGY LABORATORY
MECHANICAL EQUIPMENT
surgical technicians

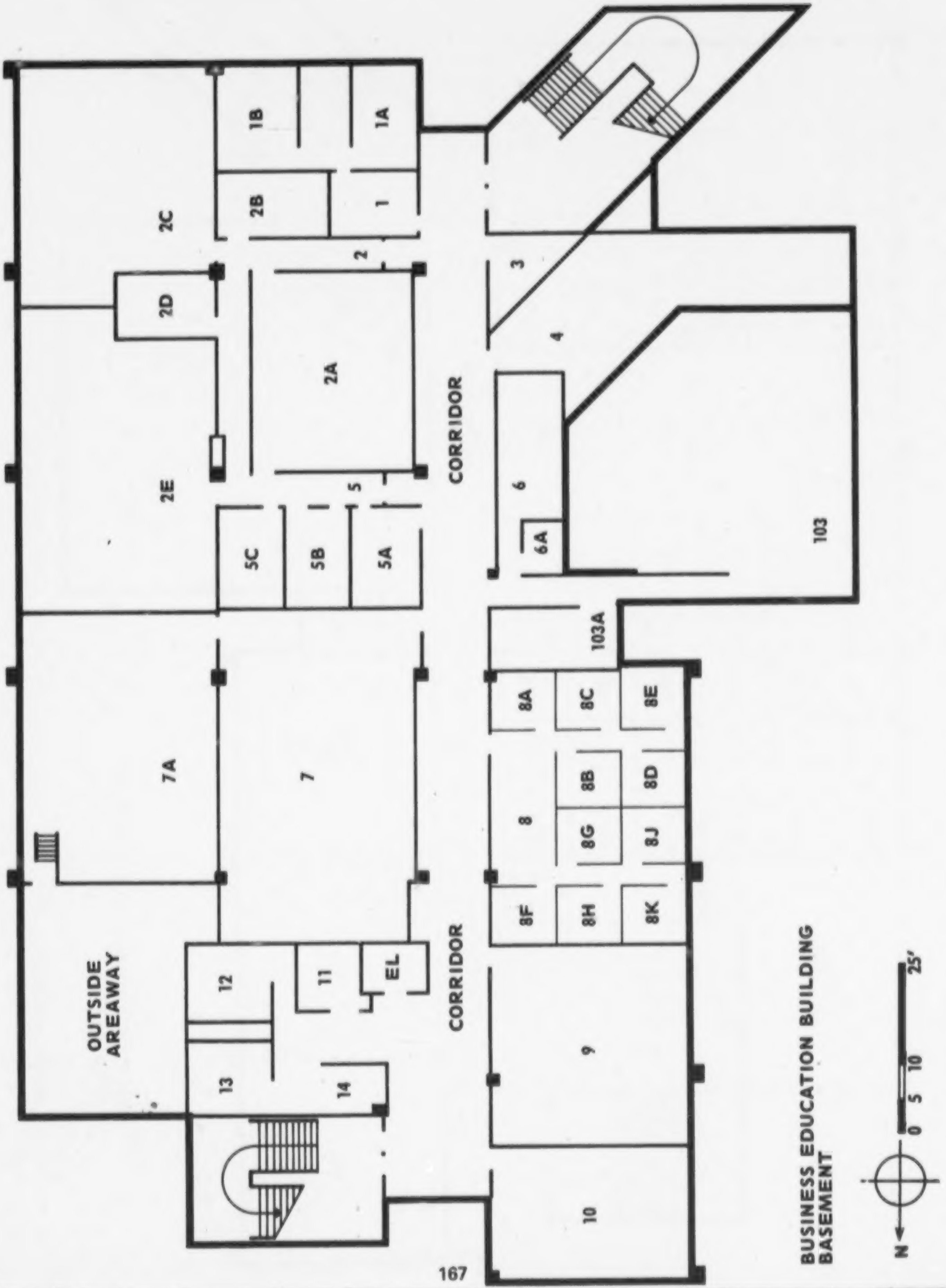
FOURTH FLOOR PLAN

0
5
10
20'

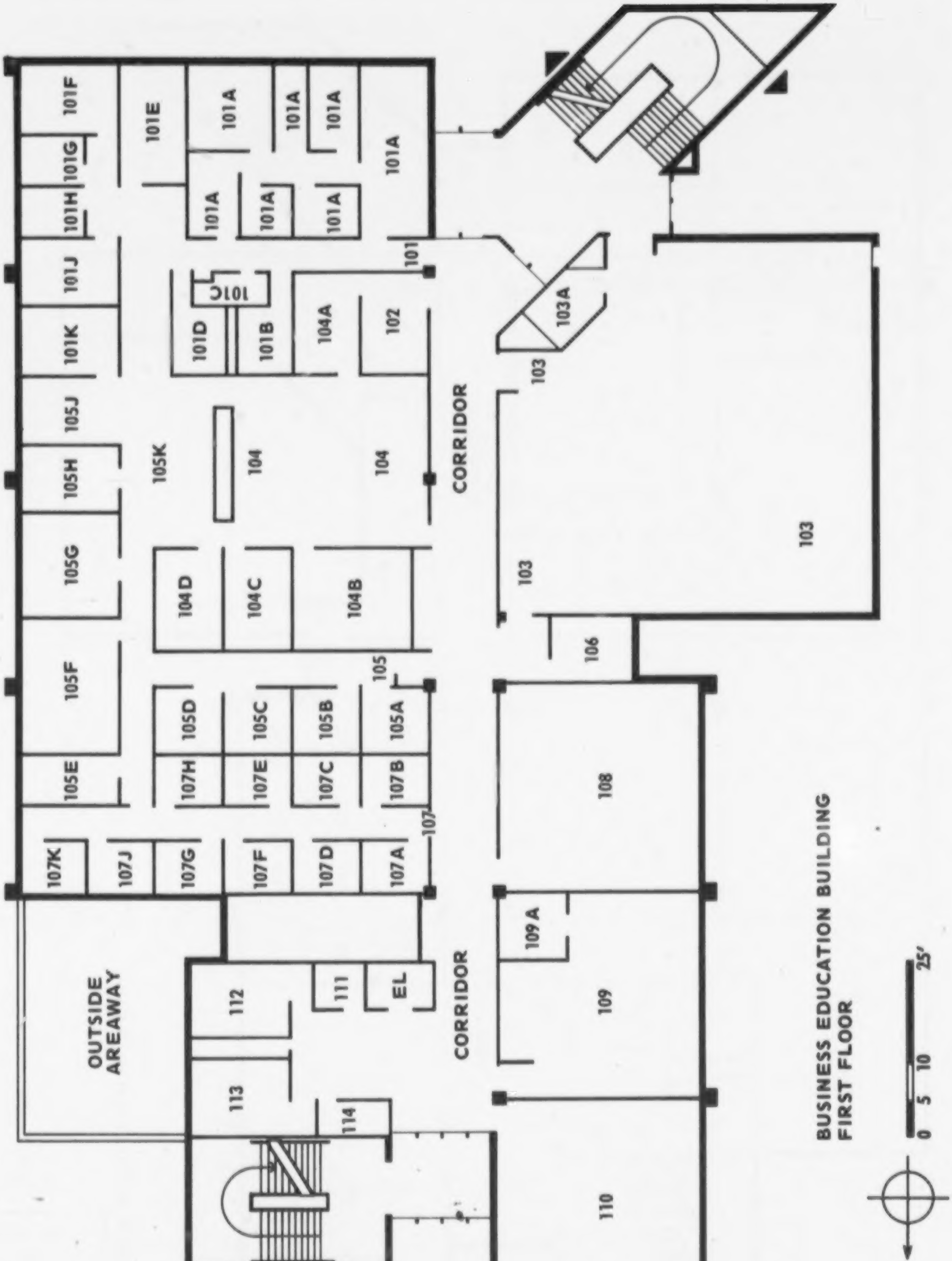


BUSINESS EDUCATION BUILDING

WESTERN WISCONSIN TECHNICAL INSTITUTE —— LA CROSSE
HACKNER, SCHROEDER, ROSLANSKY & ASSOCIATES — ARCHITECTS ENGINEERS PLANNERS — LA CROSSE
WISCONSIN

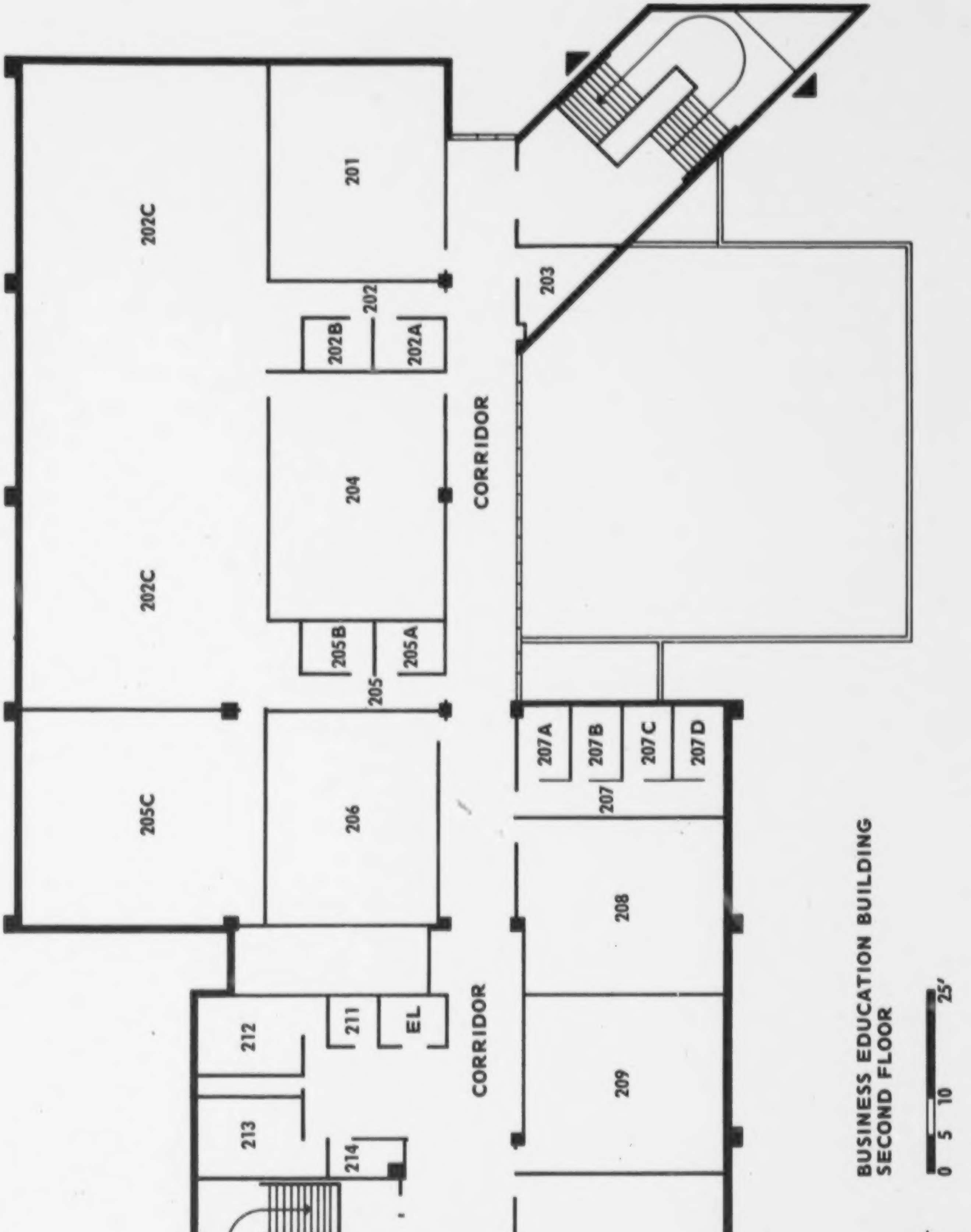

1B
1A
2B
1
2C
2
3
2D
4
2A
CORRIDOR
2E
5
6
6A
103
5C
5B
5A
103A
8A
8C
8E
7A
7
8
8B
8D
8G
8J
8F
8H
8K
OUTSIDE AREAWAY
12
11
EL
CORRIDOR
9
13
14
10
0
5
10
25'
N

BUSINESS EDUCATION BUILDING
BASEMENT



BUSINESS EDUCATION BUILDING
FIRST FLOOR

101F
101G
101H
101J
101K
101E
101A
101A
101A
101A
101A
101A
101A
101
101C
101D
101B
104A
102
103A
103
103
103
103
CORRIDOR
105J
105H
105G
105F
105E
105K
104
104
104D
104C
104B
105
105D
105C
105B
105A
107H
107E
107C
107B
107
107K
107J
107G
107F
107D
107A
106
108
109A
109
110
OUTSIDE AREAWAY
112
113
111
EL
114
CORRIDOR
0 5 10 25'
N


202C
201
202C
202
202B
202A
204
205B
205A
205
205C
206
CORRIDOR
203
207A
207B
207C
207D
207
208
209
210
212
211
EL
213
214
CORRIDOR
0 5 10 25'
N

BUSINESS EDUCATION BUILDING
SECOND FLOOR

CONSTRUCTION PROJECT ANALYSIS

NAME OF SCHOOL Southwest Wisconsin DISTRICT # 3

Vocational-Technical School

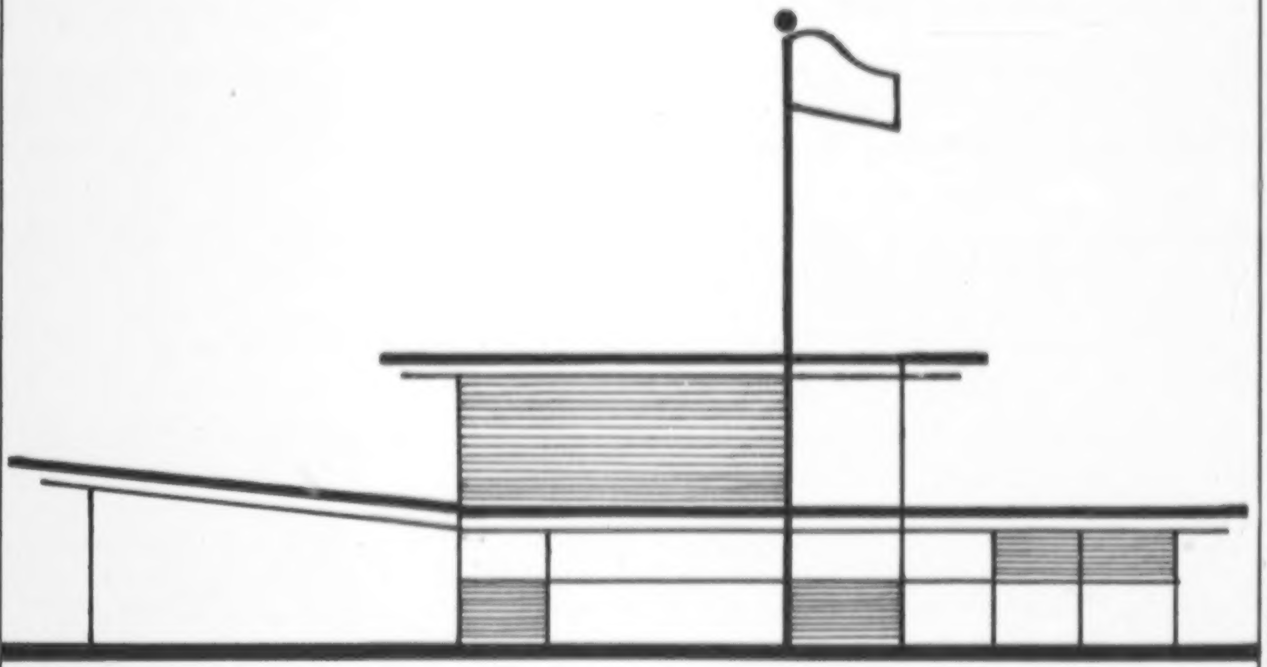
LOCATION Fennimore

Wisconsin

AREA DIRECTOR Ronald H. Anderson

PROJECT NO. 03-040-70 DATE 4/16/70

ARCHITECT Durrant, Deininger, Dommer, Kramer, Gordon



Wisconsin Board of Vocational, Technical and Adult Education

Madison, Wisconsin E. I. Lehrmann, Director

II

NARRATIVE ON PROPOSED FACILITY
(Establishment of Need)

Name of School Southwest Wisconsin Vocational-Technical School **District #** 3

The Long Range Plan for the Southwest Wisconsin Vocational-Technical School, District 3 shows that the present facility has 8,688 square feet of active instructional area, plus rented and temporary buildings.

The local Board of Vocational, Technical and Adult Education retained the Architectural and Engineering Firm of Durrant, Deininger, Dommer, Kramer and Gordon to prepare preliminary Study, Design and Contract Drawings to fulfill their present required needs.

The proposed new buildings consist of a Classroom Building, a Dining and Shop Building and a Shop Building with a combined total of 78,503 square feet of active instructional and non-instructional area. Approximately 89% of the buildings will be usable area.

The Classroom Building will include the following instructional areas: Nursing Assistant Laboratory, two (2) Accounting Laboratories, seven (7) Instructional Classrooms, Drafting and Blueprint Reading Laboratory, Office Machine Laboratory, Library, Retailing Laboratory, two (2) Typing Laboratories and Home Demonstration Laboratory.

The Dining and Shop Building will include the following instructional and non-instructional areas: Dining, Serving, Vending Dishwashing areas, Receiving-Storage area and Auto Shop.

The Shop Building will include the following instructional areas: Ag-Science Laboratory, two (2) T & I Laboratories, Apprentice Training Laboratory, Beauty and Barber Training, Parts Laboratory, Auto Body Shop, Ag-Mechanics Shop, Welding Shop, and Ag-Structures Shop.

Included within the three Building Complexes are Student Service areas, Book Store, Student Lounge areas, Instructor's Office areas and Storage areas.

The site will include parking for 160 cars, drives to the Shop Building aprons and machinery parking for the various trades involved.

The proposed project is to house both the existing and future Vocational and Technical Programs. The District is in its second year of offering full-time preparatory programs in rented and temporary buildings. At the present time approximately 170 full-time students are enrolled in seven one (1) and two (2) year Vocational Programs. It is anticipated that 400 students will be enrolled in twelve (12) different Vocational and Technical Programs by September of 1971 when the proposed facilities should be completed. The buildings as designed will accommodate the anticipated programs and students, however, would be at full capacity. The postponement of the building project will curtail the growth of District 3's full-time programs. It is our belief that the need for additional facilities has been established through the past performance of District 3.

III

PROJECT SCHEDULE

Name of School Southwest Wisconsin Vocational, Technical School **District #** 3

		Tentative Date	Approval Date
1.	Preliminary need studies	6/69	
2.	Area board action to proceed		7/21/69
3.	Devalopment of long-range plan	2/69	
4.	Area board approval	7/21/69	
5.	State office approval	8/69	
6.	The development of educational specifications	1/70	
7.	Area board approval	1/70	
8.	State office approval		2/10/70
9.	Selection and commissioning architect		3/6/68
10.	Site study and site selection	4/68	
11.	Development of schematic plans with state and area approval	2/70	
12.	Development of construction plans and specifications with state and area approval	2/70	
13.	Establishment of bidding date		2/16/70
14.	Award of contracts		4/9/70
15.	Start construction	4/29/70	

V

SCHEDULE OF ASSIGNABLE SPACES

CLASSROOM BUILDING

Name of School Southwest Wisconsin Vocational, Technical School District # 3

	Space	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
A.	Classrooms				
	1. Main Floor	3	720/600/480	1800	88
	2. Main Floor	2	780/780	1560	48
	3. Main Floor	2	800/740		
B.	Laboratories - Function				
	1. Nursing Assistant	1	1200	1200	24
	2. Accounting	2	700/700	1400	48
	3. Typing	2	1200/1200	2400	48
	4. Retailing	1	1360	1360	24
	5. Blueprint Reading	1	1600	1600	24
	6. Home Demonstration	1	1560	1560	80
C.	Offices				
	1. Instructors	17		1600	
	2. Staff	3		461	
	3. Book Store			585	
D.	Other Instructional - Function				
	1. Library	1		920	
	2. Lounges	2		832	
E.	Non-Instructional Space				
	1. Heating Room	1		164	
	2. Custodial-Elect.	1		109	
	3. Toilets	6		749	
	4. Corridors			3979	

TOTAL

I. NET ASSIGNABLE AREA 18,818

II. NON-ASSIGNABLE AREA 5,001

III. GROSS AREA 23,819

IV. TOTAL STUDENT STATIONS 432

V. NO. OF STUDENTS TO BE SERVED ____________
Full-Time ____________
Part-Time ____________

V

SCHEDULE OF ASSIGNABLE SPACES

DINING AND SHOP BUILDING

Name of School Southwest Wisconsin Vocational, Technical School District # 3

	Space	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
A.	Classrooms				
	None				
B.	Laboratories-Function				
	None				
C.	Shops - Function				
	1. Auto Shop	1	5487	5487	36
D.	Offices				
	None				
E.	Other Instructional - Function				
	1. Lounge		653	653	
	2. Dining		3816	3816	
	3. Vending Service		540	540	
	4. Serving Area		560	560	
	5. Dishwashing		224	224	
	6. Receiving		1545	1545	
F.	Non-Instructional Space				
	1. Mechanical		108	108	
	2. Toilets		492	492	
	3. Corridors & Coat Area		2501	2501	

TOTAL

I. NET ASSIGNABLE AREA 12,825

II. NON-ASSIGNABLE AREA 3,101

III. GROSS AREA 15,926

IV. TOTAL STUDENT STATIONS 36

V. NO. OF STUDENTS TO BE SERVED ______

Full-Time ______

Part-Time ______

V

SCHEDULE OF ASSIGNABLE SPACES

SHOP BUILDING

Name of School Southwest Wisconsin Vocational, Technical School District # 3

	Space	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
A.	Classrooms				
	1. Apprentice Training	1	885	885	24
	2. T and I	2	1756/1756	3512	48
	3. Parts	1	1559	1559	16
B.	Laboratories - Function				
	1. Ag-Science	1	1833	1833	24
C.	Shops - Function				
	1. Auto Body	1	4939	4939	24
	2. Ag-Mechanics	1	4915	4915	36
	3. Welding	1	2222	2222	32
	4. Ag-Structures	1	4884	4884	36
D.	Offices				
	1. Instructors	15	1139	1139	
	2. Staff	3	495	495	
E.	Other Instructional - Function				
	1. Beauty	1	150	150	2
	2. Barber	1	150	150	2
F.	Non-Instructional Space				
	1. Electrical	1	64	64	
	2. Storage	7	480	480	
	3. Custodial	1	73	73	
	4. Toilets	4	259	259	
	5. Corridors - Tunnel		5076	5076	

TOTAL

I. NET ASSIGNABLE AREA 26,683

II. NON-ASSIGNABLE AREA 5,952

III. GROSS AREA 32,635

IV. TOTAL STUDENT STATIONS 244

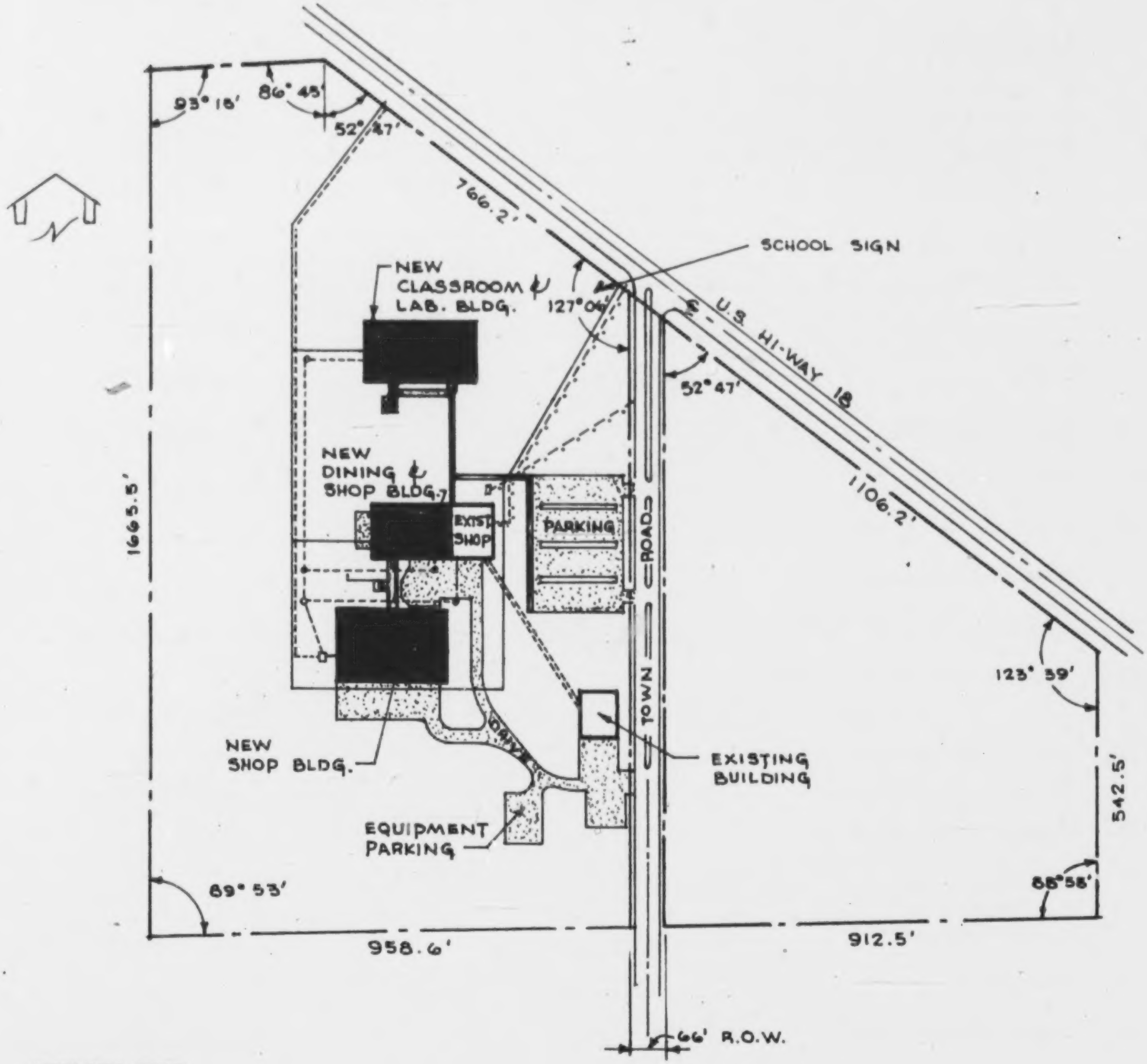
V. NO. OF STUDENTS TO BE SERVED ____
Full-Time ____
Part-Time ____

VI

SITE PLAN

Scale 1" = 300 ft.

Name of School Southwest Wisconsin Vocational-Technical School District # 3


N
93° 18'
86° 45'
52° 47'
766.2'
SCHOOL SIGN
NEW CLASSROOM & LAB. BLDG.
127° 04'
U.S. HI-WAY 18
52° 47'
NEW DINING & SHOP BLDG.
EXIST. SHOP
PARKING
1106.2'
1665.5'
ROAD
TOWN
DRIVE
123° 39'
NEW SHOP BLDG.
EXISTING BUILDING
542.5'
EQUIPMENT PARKING
89° 53'
88° 58'
958.6'
912.5'
66' R.O.W.

UTILITY CODE

W ———————— Water Service
San -------·-- Sanitary Sewer
St ━━━━━━━ Storm Sewer
G ▬▬▬▬▬▬ Gas Service
E .-.-.-.-.-. Electric & Telephone Service

VII

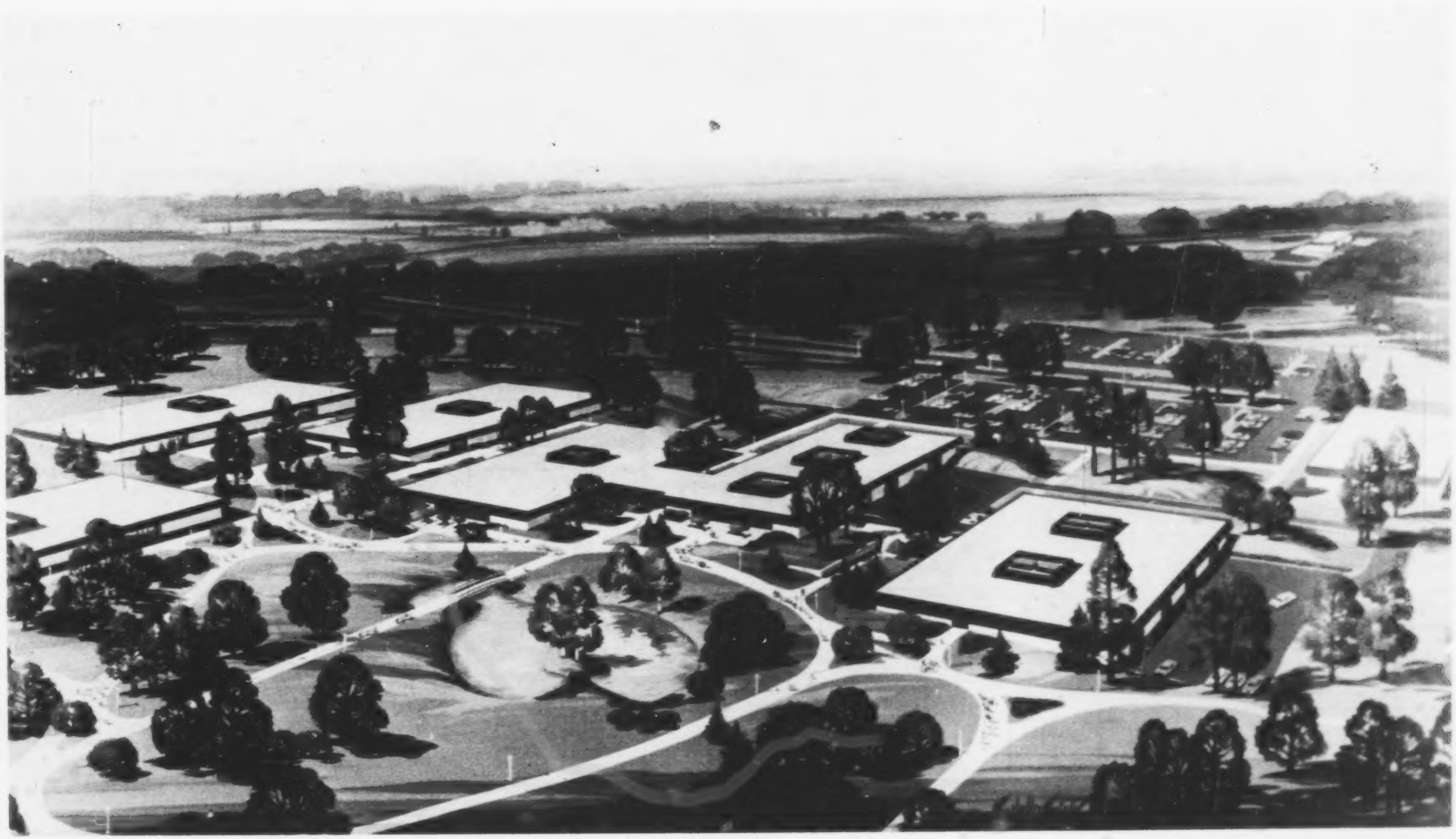
PROJECT BUDGET

Name of School Southwest Wisconsin Vocational Technical School District # 3

Net Assignable Area 58,326 Non-Assignable 14,054 Gross Area 72,380

% in Non-Assignable Area ____________

		Budget Estimate	Cost Per Sq. Ft.	Contract Award
I.	**Construction**			
	A. General construction	883,159	11.25/10.27	806,500
	B. Plumbing	127,380	1.75/1.31	102,600
	C. Heating & ventilating	199,398	2.54/2.51	197,001
	D. Air conditioning			
	E. Electrical	193,117	2.46/2.37	185,983
	F. Elevator			
	G. Fixed equipment			
	H. Other ________			
	I. ________			
	J. ________			
	TOTAL	1,403,054	18.00/16.46	1,292,084
II.	Site Development	$ 65,000		$ 65,000
III.	Architect Fee ____%	$ 89,500		$ 77,525
IV.	Clerk of the Works	$		$
V.	Movable Equipment ____%	$		$
VI.	Construction Contingency	$ 89,500		$ 25,842
VII.	Construction Cost Increase ____%	$		$
VIII.	Land Purchase Cost per acre 53 X 400	$ 25,000		$ 21,200
IX.	Utility Extensions			
	1. Sewer	$		$
	2. Electrical	$		$
	3. Streets, etc.	$		$
X.	Demolition	$		$
XI.	Total Project Cost	$ 1,672,054		$ 1,481,651

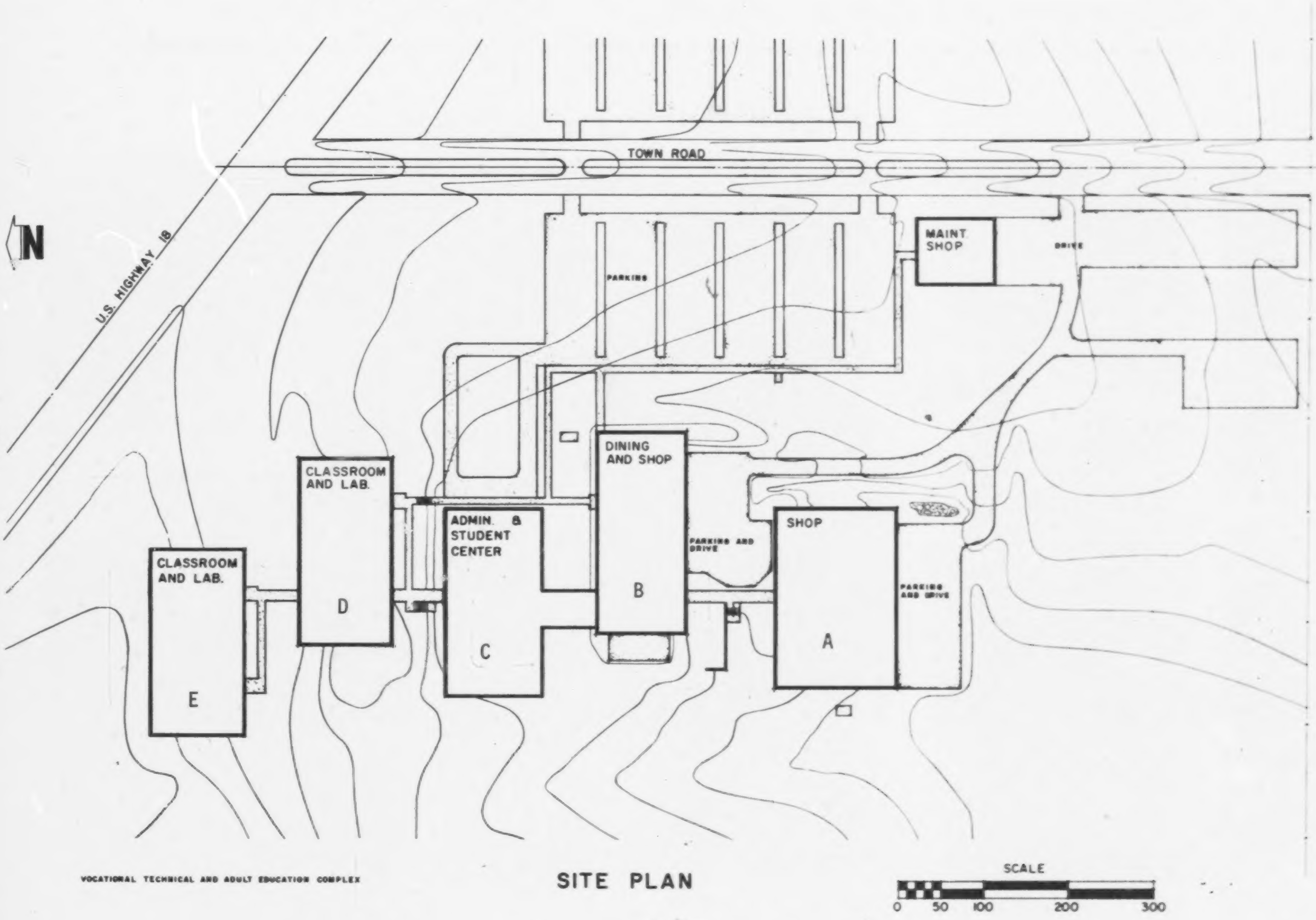


SOUTHWEST WISCONSIN VOCATIONAL TECHNICAL SCHOOL

FENNIMORE, WISCONSIN

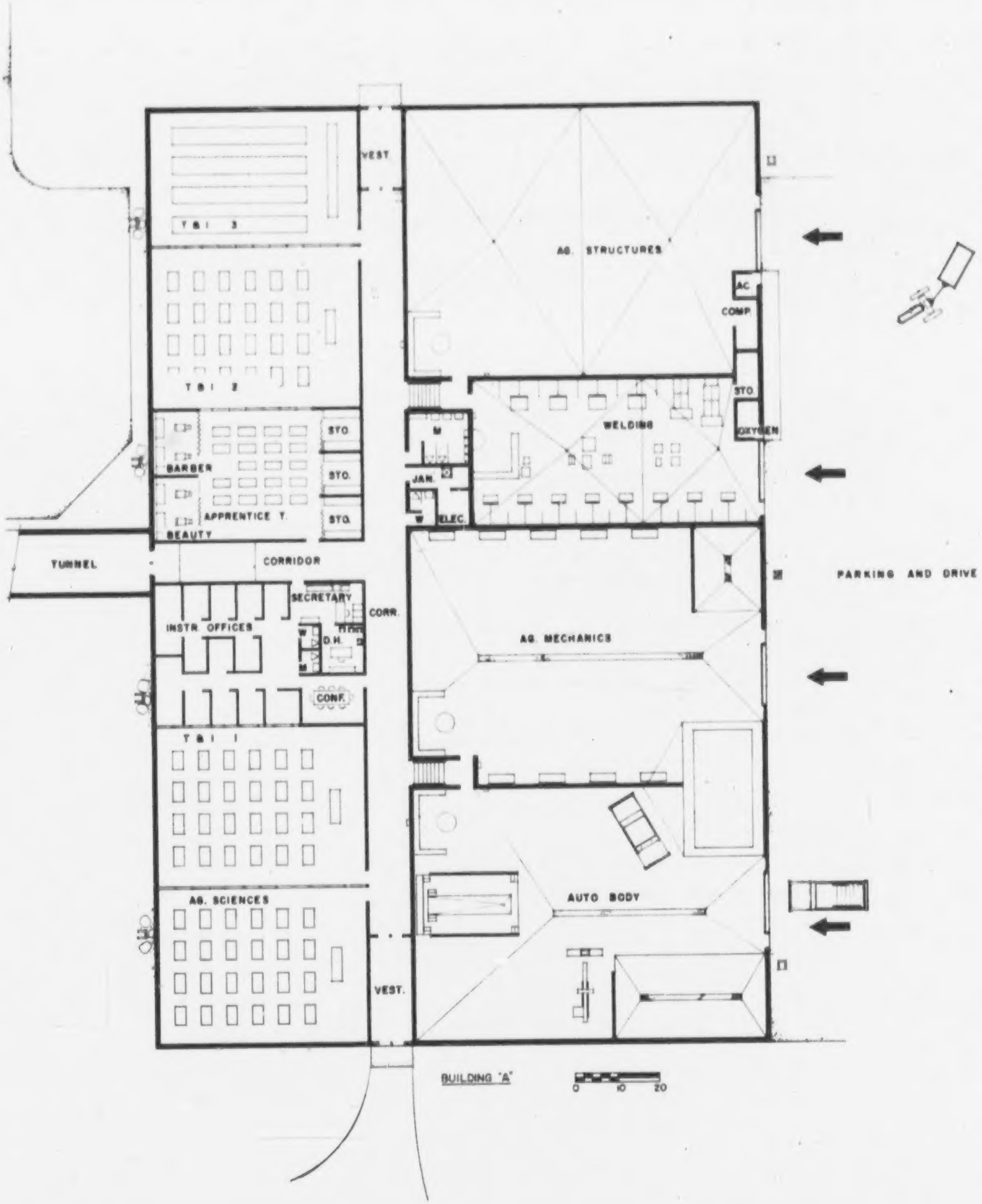
DURRANT · DEININGER · DOMMER · KRAMER · GORDON, P.C.

ARCHITECTS AND ENGINEERS – 1122 ROCKDALE ROAD . DUBUQUE . IOWA 52001 – PH. 583-9131

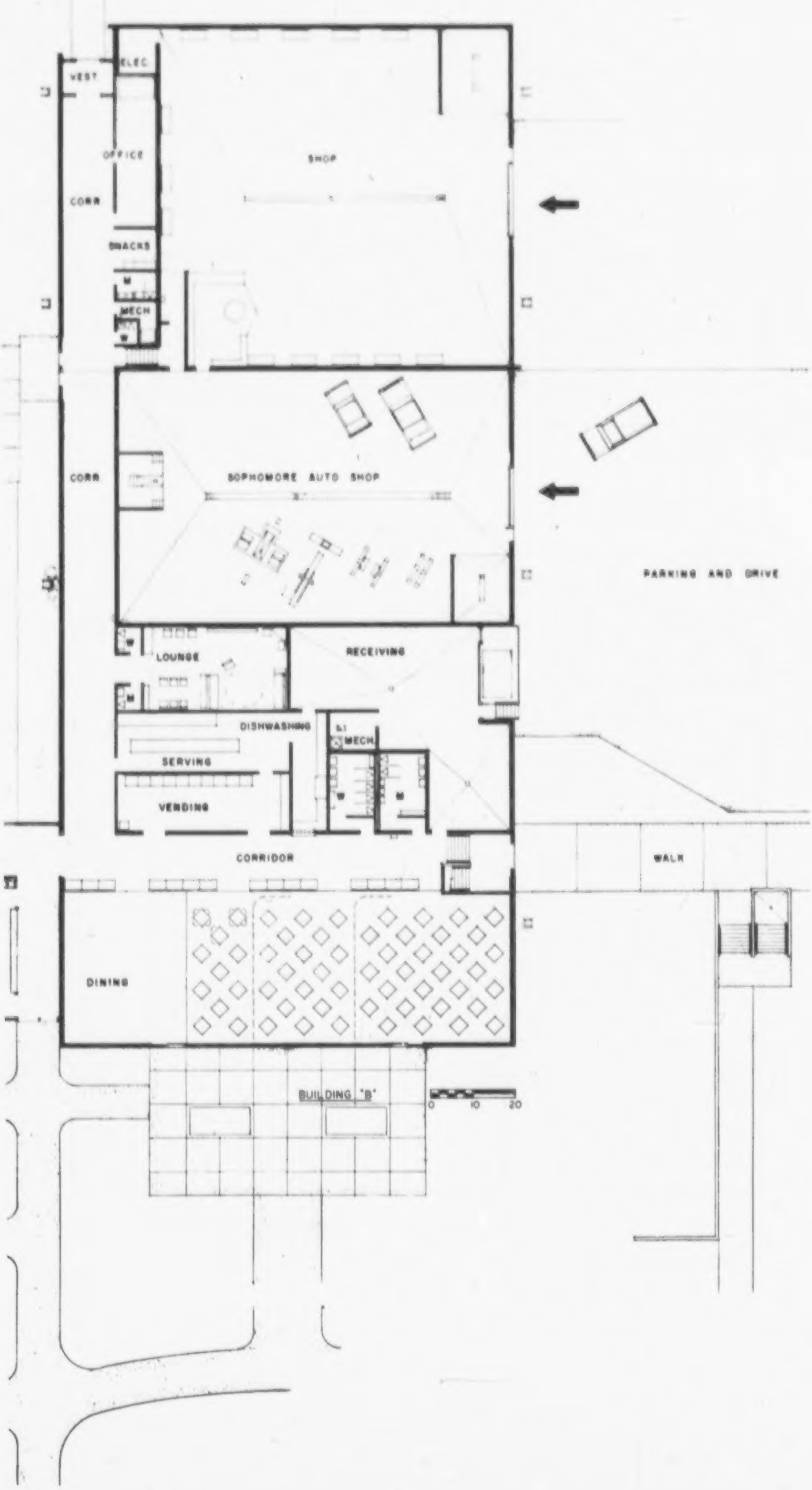

TOWN ROAD
U.S. HIGHWAY 18
N
MAINT SHOP
DRIVE
PARKING
DINING AND SHOP
B
SHOP
A
PARKING AND DRIVE
PARKING AND DRIVE
ADMIN. & STUDENT CENTER
C
CLASSROOM AND LAB.
D
CLASSROOM AND LAB.
E
SCALE
0
50
100
200
300

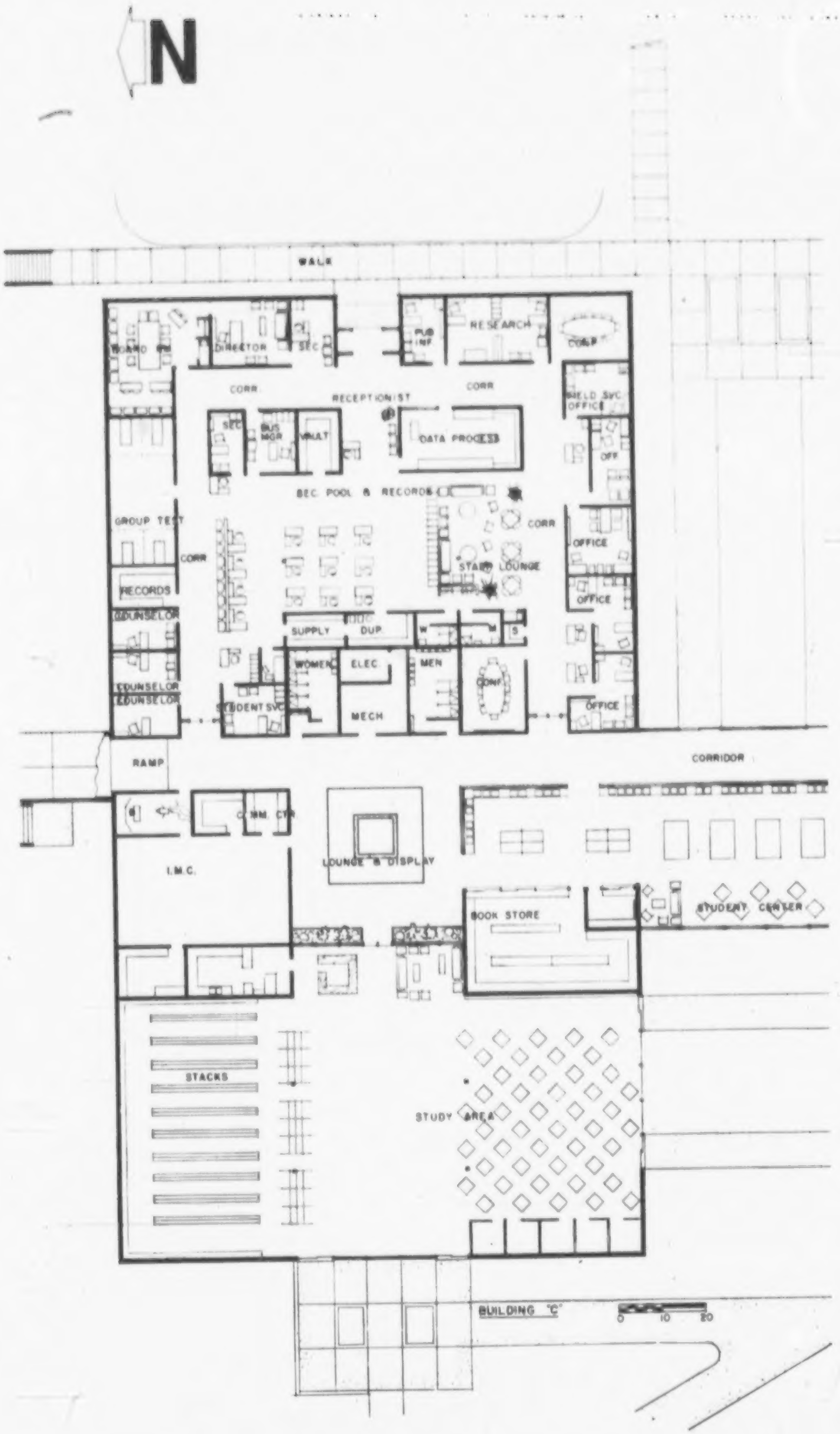
VOCATIONAL TECHNICAL AND ADULT EDUCATION COMPLEX

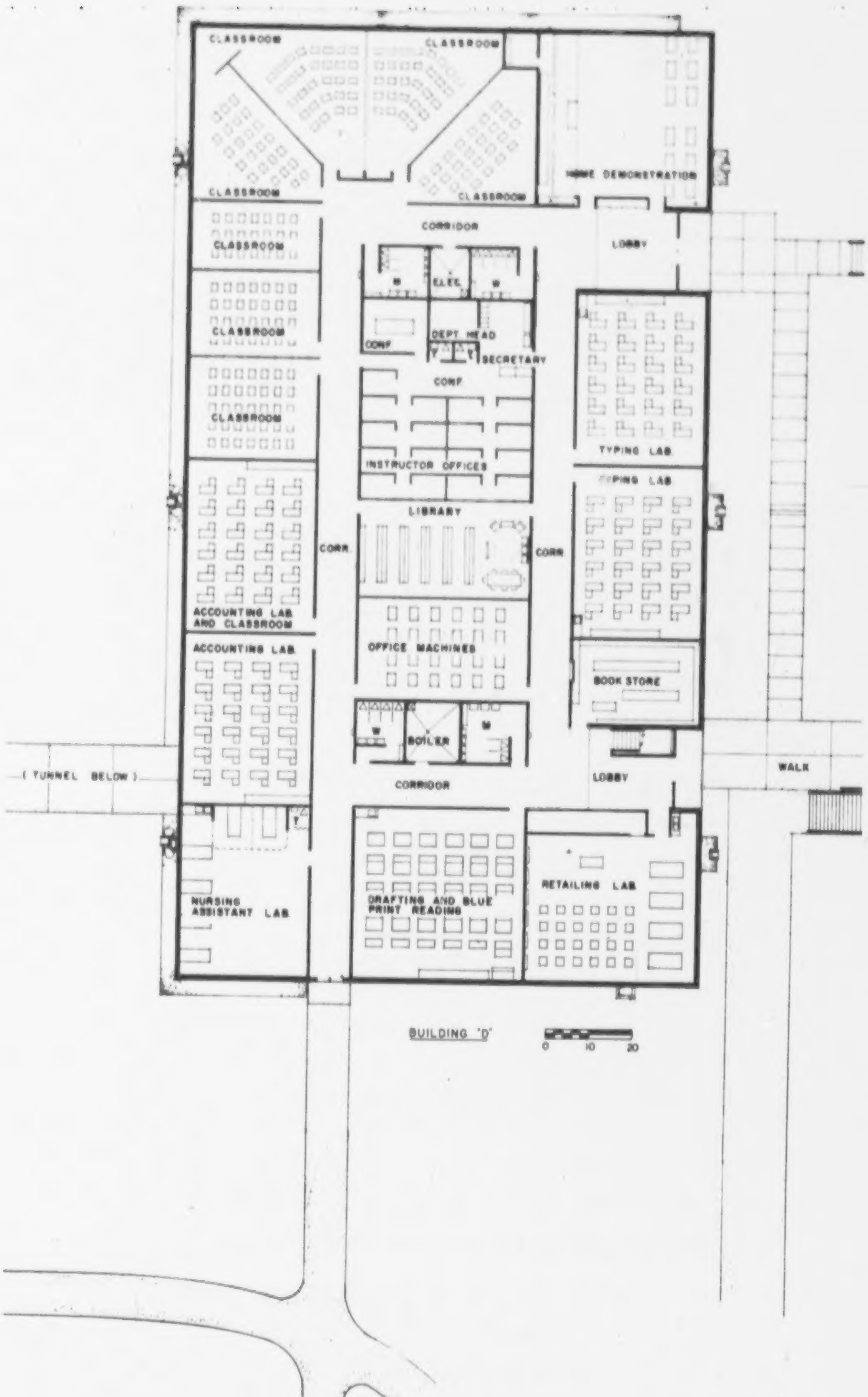
SITE PLAN


VEST
T&I 3
AG. STRUCTURES
AC
COMP.
T&I 2
STO.
STO.
STO.
BARBER
APPRENTICE T.
BEAUTY
M
JAN.
W
ELEC.
WELDING
STO.
OXYGEN
TUNNEL
CORRIDOR
SECRETARY
CORR.
INSTR. OFFICES
D.H.
W
M
CONF.
AG. MECHANICS
PARKING AND DRIVE
T&I 1
AG. SCIENCES
AUTO BODY
VEST.
0
10
20

BUILDING "A"


VEST
ELEC
OFFICE
CORR
SHOP
SNACKS
M
W
MECH
CORR
SOPHOMORE AUTO SHOP
PARKING AND DRIVE
LOUNGE
RECEIVING
DISHWASHING
MECH
SERVING
VENDING
CORRIDOR
WALK
DINING
BUILDING "B"
0 10 20


N
WALK
BOARD RM
DIRECTOR
SEC
PUB INF
RESEARCH
CONF
CORR
RECEPTIONIST
CORR
FIELD SVC OFFICE
SEC
BUS MGR
VAULT
DATA PROCESS
OFF
SEC POOL & RECORDS
GROUP TEST
CORR
CORR
STAFF LOUNGE
OFFICE
RECORDS
OFFICE
COUNSELOR
SUPPLY
DUP
W
M
S
WOMEN
ELEC
MEN
CONF
COUNSELOR
COUNSELOR
STUDENT SVC
MECH
OFFICE
RAMP
CORRIDOR
COMM. CTR
I.M.C.
LOUNGE & DISPLAY
BOOK STORE
STUDENT CENTER
STACKS
STUDY AREA
BUILDING 'C'
0
10
20


CLASSROOM
CLASSROOM
CLASSROOM
CLASSROOM
HOME DEMONSTRATION
CORRIDOR
LOBBY
CLASSROOM
W
ELEC
W
CLASSROOM
CONF
DEPT HEAD
SECRETARY
CONF
CLASSROOM
TYPING LAB
INSTRUCTOR OFFICES
TYPING LAB
LIBRARY
CORR
CORR
ACCOUNTING LAB AND CLASSROOM
ACCOUNTING LAB
OFFICE MACHINES
BOOK STORE
W
BOILER
M
(TUNNEL BELOW)
CORRIDOR
LOBBY
WALK
NURSING ASSISTANT LAB
DRAFTING AND BLUE PRINT READING
RETAILING LAB
0
10
20

BUILDING 'D'

CONSTRUCTION PROJECT ANALYSIS

NAME OF SCHOOL Racine Technical Institute DISTRICT # 7

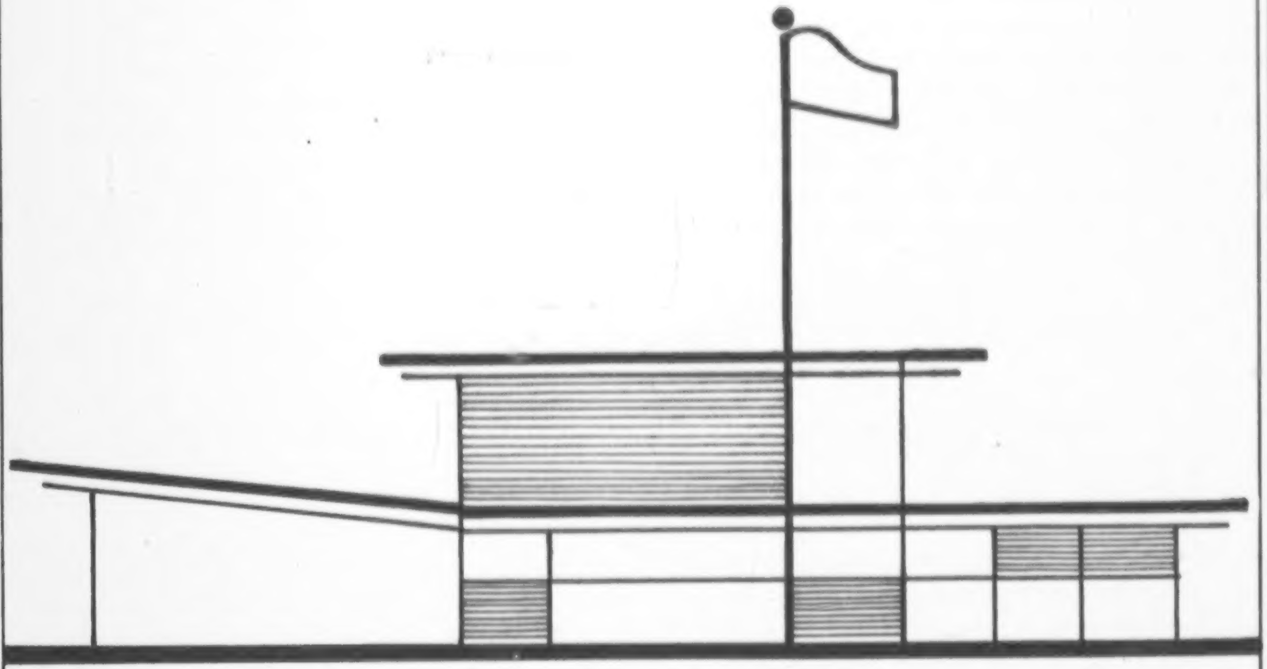
LOCATION 800 Center Street

Racine, Wisconsin 53403

AREA DIRECTOR Howard M. Heigl

PROJECT NO. 72-07-43 DATE March 1, 1971

ARCHITECT Durrant, Deininger, Dommer, Kramer & Gordon



Wisconsin Board of Vocational, Technical and Adult Education

Madison, Wisconsin

E. I. Lehrmann, Director

II

NARRATIVE ON PROPOSED FACILITY
(Establishment of Need)

Name of School Racine Technical Institute **District #** 7

The long-range plan for facilities would include a comprehensive institution in the more densely populated area and a branch school to serve the western section of the district. The comprehensive facility would house approximately 2,000 full-time day students and 2,500 part-time day students; in addition, it would accommodate approximately 4,000 part-time evening students each semester.

The Board has purchased the present site and buildings of the University of Wisconsin-Racine Campus from the City of Racine. The two existing buildings, constructed in 1955, contain approximately 80,000 square feet. Also purchased is an apartment building of approximately 20,000 square feet.

In addition to the existing buildings, the Board has commissioned the firm of Durrant, Deininger, Dommer, Kramer & Gordon, Architects and Engineers, to design and develop a lab, shop, and classroom facility of 98,300 square feet. This building will include space for the following instructional areas: (2) auto mechanic laboratories, (2) machine shops, welding shop, upholstery shop, numerical control classroom, non-metal testing lab, metal testing lab, apprenticeship laboratories, limited wood shop, material testing lab, mechanical equipment room, receiving and storage area, air conditioning and large appliance lab, computer lab, electro-mechanical lab, motor control lab, (3) electrical-electronic labs, (3) drafting rooms, instrumentation lab, hydraulics lab, barber shop area, and 10 classrooms. All labs, shops and classrooms are for existing state-approved programs.

Within the immediate area of the campus, there exists parking for approximately 1500 plus automobiles and a recreational area of approximately 67 acres.

It is anticipated that when the new facilities are completed and we will have occupancy of existing buildings, we would have a capacity of 1650 full-time students and over 1500 part-time day students.

It is essential that progress be made in constructing the lab, shop and classroom building. Presently, we are in three buildings in three locations not owned by the District Board. It is imperative that our institution be together to eliminate duplication of services, staff and facilities.

III

PROJECT SCHEDULE

Name of School Racine Technical Institute District # 7

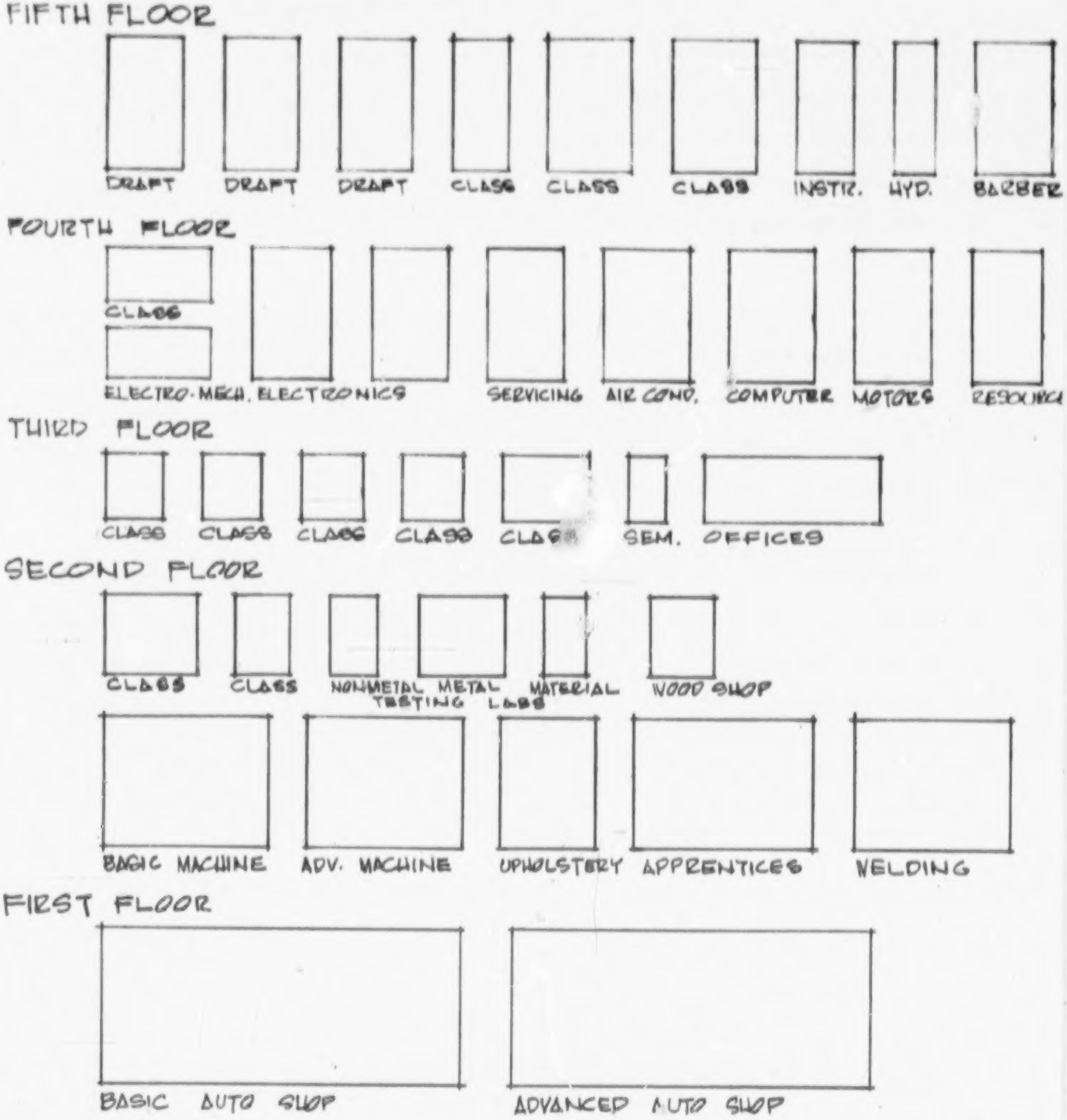
		Tentative Date	Approval Date
1.	Preliminary need studies	Jan., 1969	
2.	Area board action to proceed		June 20, 1969
3.	Development of long-range plan	Mar., 1969	Aug. 18, 1970
4.	Area board approval	Feb., 1970	May 15, 1970
5.	State office approval		
6.	The development of educational specifications		Aug. 21, 1970
7.	Area board approval		
8.	State office approval		Aug., 1970
9.	Selection and commissioning architect		July 2, 1970
10.	Site study and site selection		Aug. 18, 1970
11.	Development of schematic plans with state and area approval		Oct. 2, 1970
12.	Development of construction plans and specifications with state and area approval		April 8, 1971
13.	Establishment of bidding date		June 15, 1971
14.	Award of contracts		June 18, 1971
15.	Start construction		June 25, 1971

IV

SPACE AND CONFIGURATION DIAGRAM OF ASSIGNABLE SPACES

Scale 1" = 50 ft.

Name of School Racine Technical Institute District # 7


FIFTH FLOOR
DRAFT
DRAFT
DRAFT
CLASS
CLASS
CLASS
INSTR.
HYD.
BARBER
FOURTH FLOOR
CLASS
ELECTRO-MECH.
ELECTRONICS
SERVICING
AIR COND.
COMPUTER
MOTORS
RESOURC
THIRD FLOOR
CLASS
CLASS
CLASS
CLASS
CLASS
SEM.
OFFICES
SECOND FLOOR
CLASS
CLASS
NONMETAL METAL MATERIAL TESTING LABS
WOOD SHOP
BASIC MACHINE
ADV. MACHINE
UPHOLSTERY
APPRENTICES
WELDING
FIRST FLOOR
BASIC AUTO SHOP
ADVANCED AUTO SHOP

V

SCHEDULE OF ASSIGNABLE SPACES

Name of School Trade and Industry Building - Racine Technical Institute District # 7

Space Second Floor	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
A. Classrooms				
1. Class Room	1	1065	1065	30
2. Class Room	1	637	637	24
3.				
4.				
B. Laboratories - Function				
1. Non-Metalic	1	795	795	12
2. Metal	1	978	978	12
3. Material	1	468	468	
4.				
C. Shops - Function				
1. Basic Machine	1	3140	3140	20
2. Advanced Machine	1	2986	2986	20
3. Upholstery	1	1860	1860	16
4. Apprentice	1	3430	3430	30
5. Wood	1	676	676	
6. Welding	1	2666	2666	20
D. Offices				
1.				
2.				
3.				
E. Other Instructional - Function				
1.				
2.				
F. Non-Instructional Space				
1. Heat, power & mech.				
2. Custodial				
3. Toilets	2		400	
4. Shower & locker	1	296	296	
5. Corridors, Stairs, Elev.			4117	
6. Misc. Equipment			3303	
7. Connecting Corridors			3000	

TOTAL

I. NET ASSIGNABLE AREA 18613

II. NON-ASSIGNABLE AREA 11116

III. GROSS AREA 29729

IV. TOTAL STUDENT STATIONS ______

V. NO. OF STUDENTS TO BE SERVED ______

Full-time ______
Part-time ______

V

SCHEDULE OF ASSIGNABLE SPACES

Name of School Trade and Industry Building - Racine Tecanical Institute District # 7

Space First Floor	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
A. Classrooms				
1.				
2.				
3.				
4.				
B. Laboratories - Function				
1.				
2.				
3.				
4.				
C. Shops - Function				
1. Basic Auto	1	8309	8309	20
2. Advanced Auto	1	8309	8309	20
3.				
4.				
5.				
6.				
D. Offices				
1.				
2.				
3.				
E. Other Instructional - Function				
1.				
2.				
F. Non-Instructional Space				
1. Heat, power & mech.				
2. Custodial				
3. Toilets	2	225	450	
4. Shower & locker	1	306	306	
5. Corridors			767	
6. Sewage Lift	1	64	64	
7. Storage			540	
TOTAL				

I. NET ASSIGNABLE AREA 16618

II. NON-ASSIGNABLE AREA 2127

III. GROSS AREA 18745

IV. TOTAL STUDENT STATIONS

V. NO. OF STUDENTS TO BE SERVED

Full-time
Part-time

V

SCHEDULE OF ASSIGNABLE SPACES

Name of School Trade and Industry Building - Racine Technical Institute District # 7

Space Third Floor	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
A. Classrooms				
1. Class Room	1	551	551	24
2. Class Room	1	567	1701	72
3. Class Room	1	819	819	34
4. Seminar	1	357	357	12
B. Laboratories - Function				
1.				
2.				
3.				
4.				
C. Shops - Function				
1.				
2.				
3.				
4.				
5.				
6.				
D. Offices				
1. Offices			1701	
2.				
3.				
E. Other Instructional - Function				
1.				
2.				
F. Non-Instructional Space				
1. Heat, power & mech.				
2. Custodial				
3. Toilets	2		400	
4. Shower & locker				
5. Corridors, Stairs, Elev.			2026	
6. Lounge			704	

TOTAL

I. NET ASSIGNABLE AREA 5129

II. NON-ASSIGNABLE AREA 3130

III. GROSS AREA 8259

IV. TOTAL STUDENT STATIONS ______

V. NO. OF STUDENTS TO BE SERVED ______

Full-time ______
Part-time ______

V

SCHEDULE OF ASSIGNABLE SPACES

Name of School Trade and Industry Building - Racine Technical Institute District # 7

Space Fourth Floor	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
A. Classrooms				
1. Class Room	1	795	795	34
2.				
3.				
4.				
B. Laboratories - Function				
1. Electronics	2	1440	2880	40
2. Electronic Servicing	1	1440	1440	20
3. Air Cond. & Appliance	1	1620	1620	20
4. Computer	1	1620	1620	20
5. Electro-Mech.	1	795	795	20
6. Motor Control	1	1460	1460	16
C. Shops - Function				
1.				
2.				
3.				
4.				
5.				
6.				
D. Offices				
1.				
2.				
3.				
E. Other Instructional - Function				
1. Resource Center	4		1400	
2.				
F. Non-Instructional Space				
1. Heat, power & mech.				
2. Custodial				
3. Toilets	2		378	
4. Shower & locker				
5. Corridors, Stairs, Elev.			1942	
6.				

TOTAL

I. NET ASSIGNABLE AREA 12010

II. NON-ASSIGNABLE AREA 2320

III. GROSS AREA 14330

IV. TOTAL STUDENT STATIONS ____________

V. NO. OF STUDENTS TO BE SERVED ____________

Full-time ____________
Part-time ____________

V

SCHEDULE OF ASSIGNABLE SPACES

Name of School Trade and Industry Building - Racine Technical Institute District # 7

Space Fifth Floor	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
A. Classrooms				
1. Drafting	3	1422	4266	66
2. Class Room	1	1066	1066	30
3. Class Room	1	1620	1620	35
4. Class Room	1	1605	1605	35
B. Laboratories - Function				
1. Instrumentation	1	1017	1017	20
2. Hydraulic	1	810	810	20
3. Barber	1	1605	1605	19
4.				
C. Shops - Function				
1.				
2.				
3.				
4.				
5.				
6.				
D. Offices				
1.				
2.				
3.				
E. Other Instructional - Function				
1.				
2.				
F. Non-Instructional Space				
1. Heat, power & mech.				
2. Custodial				
3. Toilets	2		378	
4. Shower & locker				
5. Corridors, Stairs & Elev.			2758	
6.				

TOTAL

I. NET ASSIGNABLE AREA 11194

II. NON-ASSIGNABLE AREA 3136

III. GROSS AREA 14330

IV. TOTAL STUDENT STATIONS

V. NO. OF STUDENTS TO BE SERVED

Full-time

Part-time

V

SCHEDULE OF ASSIGNABLE SPACES

Name of School Trade and Industry Building - Racine Technical Institute District # 7

Space Sixth Floor	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
A. Classrooms				
1.				
2.				
3.				
4.				
B. Laboratories - Function				
1.				
2.				
3.				
4.				
C. Shops - Function				
1.				
2.				
3.				
4.				
5.				
6.				
D. Offices				
1.				
2.				
3.				
E. Other Instructional - Function				
1.				
2.				
F. Non-Instructional Space				
1. Heat, power & mech.			1489	
2. Custodial				
3. Toilets				
4. Shower & locker				
5. Corridors, Elev., Etc.			700	
6.				

TOTAL

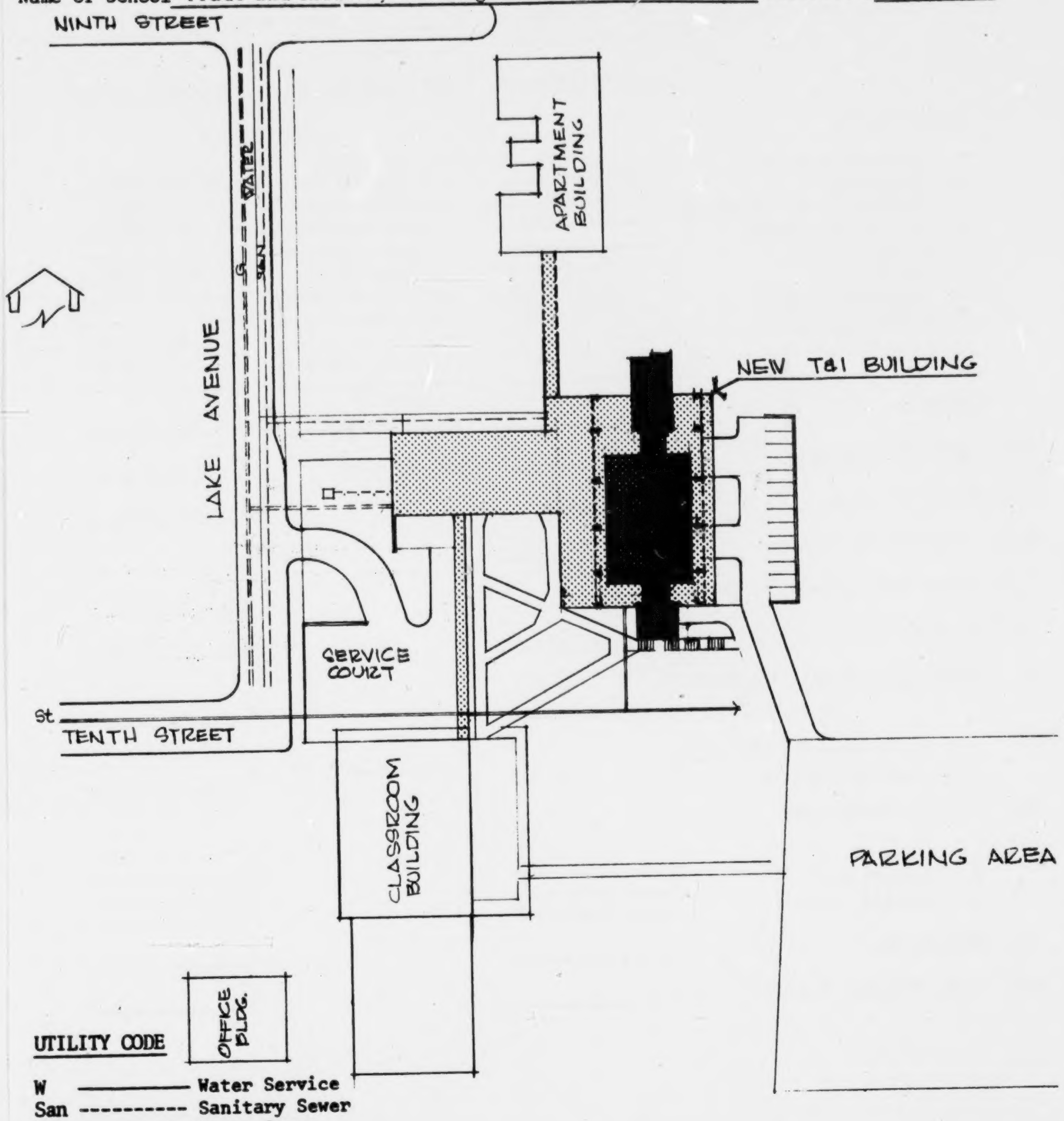
I. NET ASSIGNABLE AREA	----
II. NON-ASSIGNABLE AREA	2189
III. GROSS AREA	2189
IV. TOTAL STUDENT STATIONS	
V. NO. OF STUDENTS TO BE SERVED	

Full-time __________
Part-time __________

VI

SITE PLAN
Scale 1" = 100 ft.

Name of School Trade and Industry Building - Racine Technical Inst. **District #** 7


NINTH STREET
WATER
G
SAN
LAKE AVENUE
APARTMENT BUILDING
NEW T&I BUILDING
SERVICE COURT
St
TENTH STREET
CLASSROOM BUILDING
PARKING AREA
OFFICE BLDG.

UTILITY CODE

W	————————	Water Service
San	----------	Sanitary Sewer
St	▬▬▬▬▬	Storm Sewer
G	==========	Gas Service
E	.-.-.-.-.-.	Electric & Telephone Service

VII

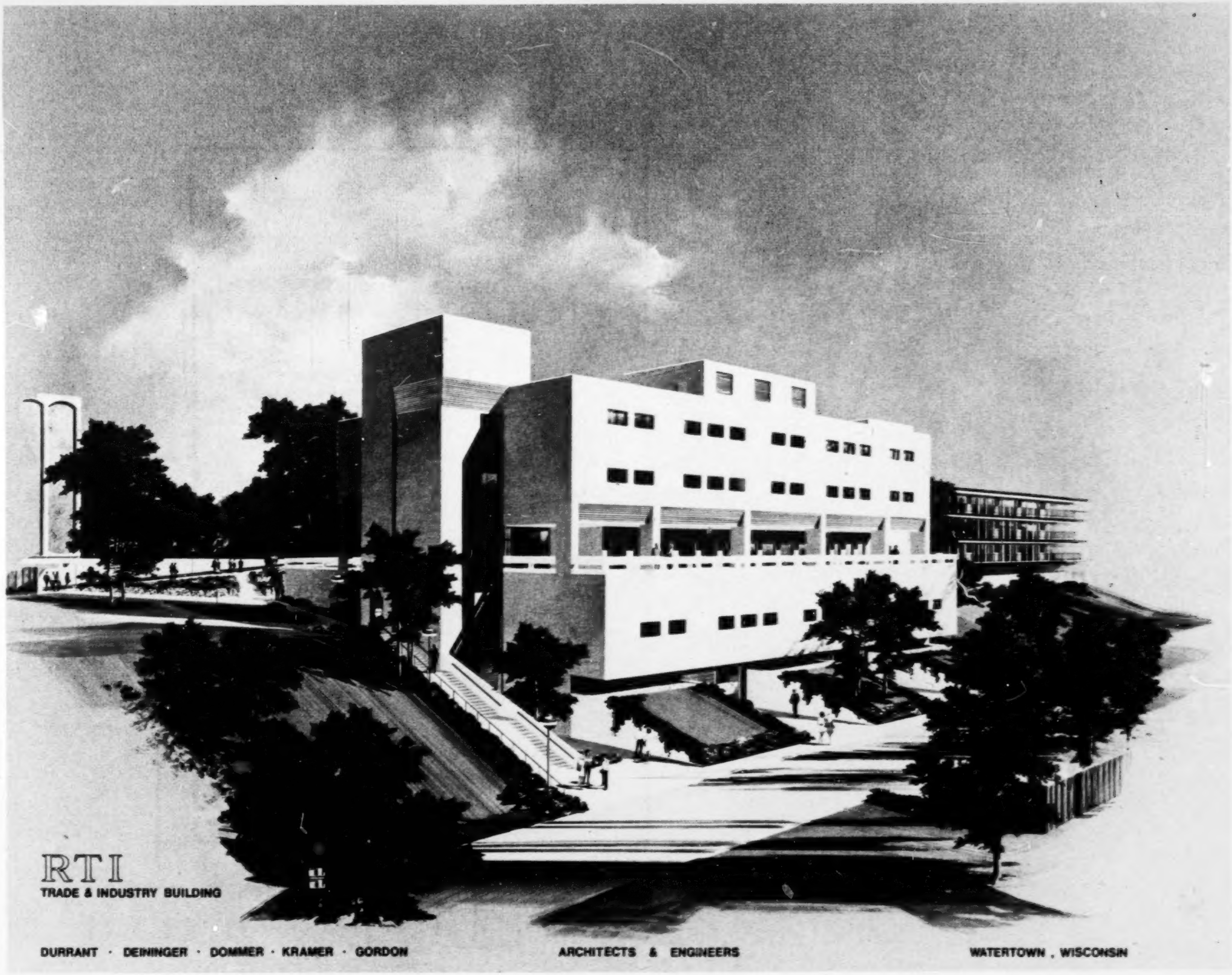
PROJECT BUDGET

Name of School Trade and Industry Building - Racine Technical Institute District # 7

Net Assignable Area 63,564 Non-Assignable 24,018 Gross Area 92,500

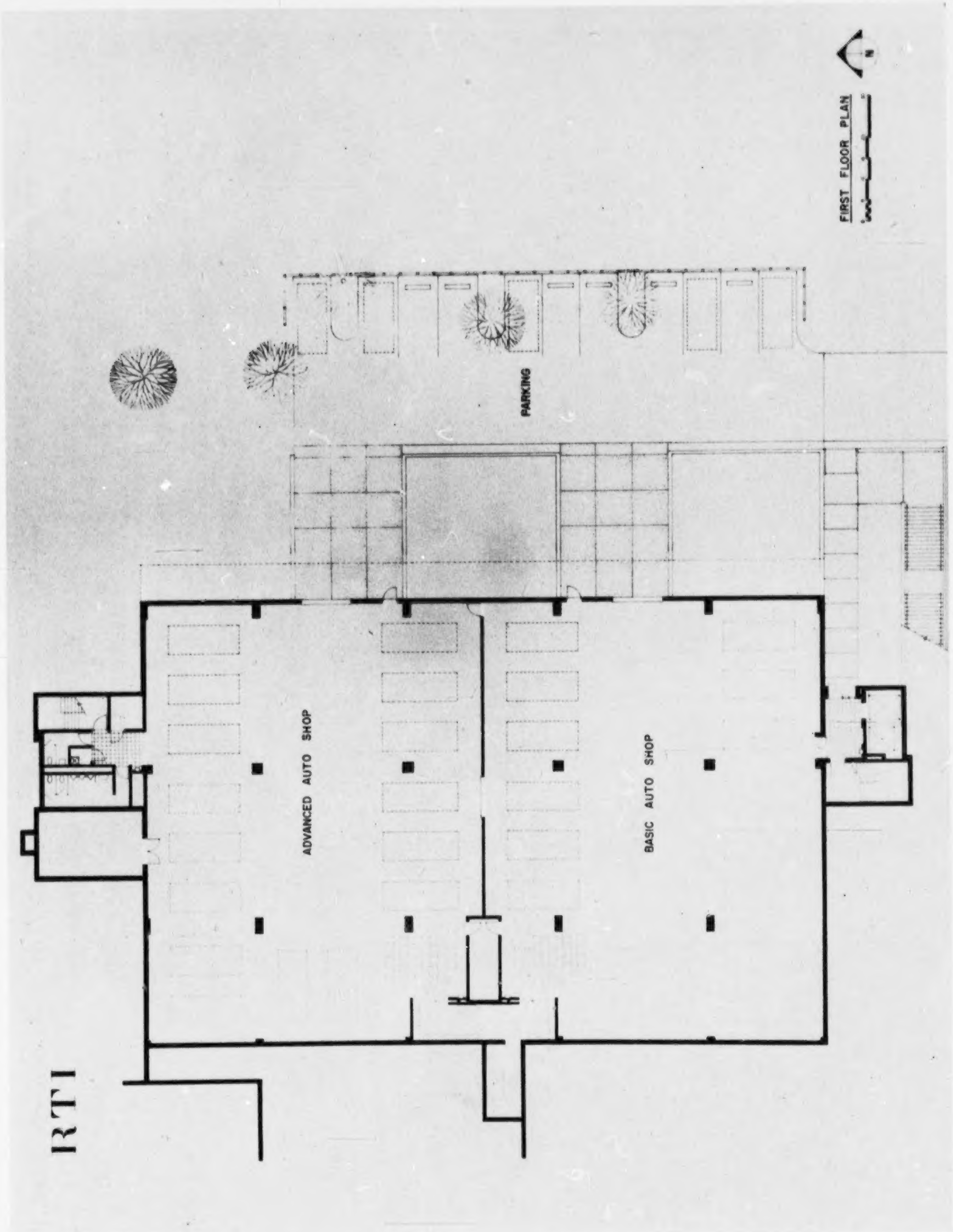
% in Non-Assignable Area 28%

		Budget Estimate	Cost Per Sq. Ft.	Contract Award
I.	**Construction**			
	A. General construction	1,641,000	17.74/16.54	1,529,790
	B. Plumbing	110,000	1.19/1.29	119,450
	C. Heating & ventilating }	438,000	4.73/4.50	417,400
	D. Air conditioning }			
	E. Electrical	267,000	2.89/2.62	241,872
	F. Elevator	65,000	.70/.65	59,684
	G. Fixed equipment			
	H. Other			
	I.			
	J.			
	TOTAL	2,521,000	27.25/25.60	2,368,196
II.	Site Development	$ INCLUDED IN CONTINGENCY		$ 30,000
III.	Architect Fee 6 %	$ 151,260		$ 142,091
IV.	Clerk of the Works	$		$
V.	Movable Equipment ____ %	$		$
VI.	Construction Contingency	$ 126,050		$ 70,000
VII.	Construction Cost Increase ____ %	$		$
VIII.	Land Purchase Cost per acre ____ X ____	$		$
IX.	Utility Extensions			
	1. Sewer	$		$
	2. Electrical	$		$
	3. Streets, etc.	$		$
X.	Demolition	$		$
XI.	Total Project Cost	$		$

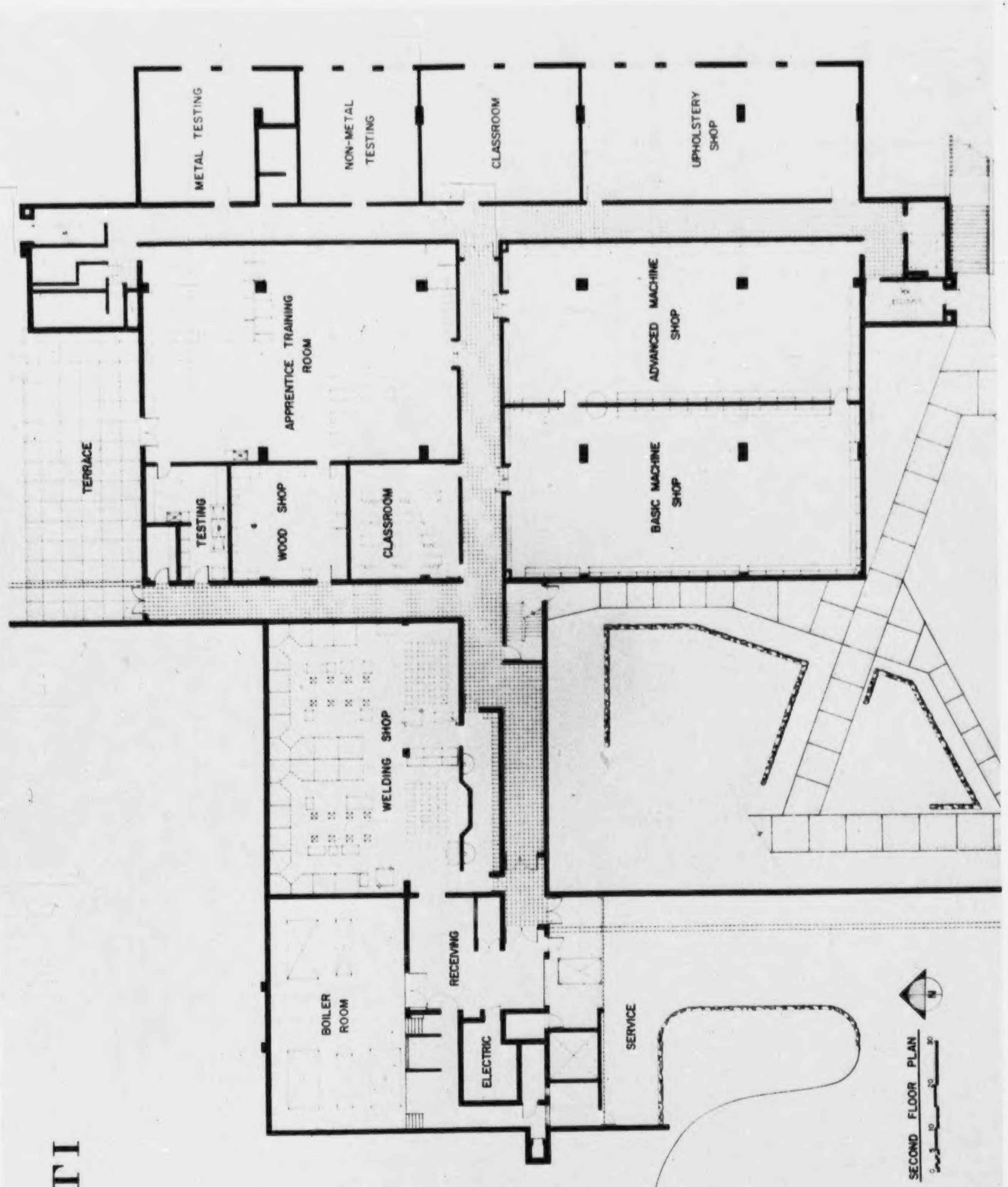


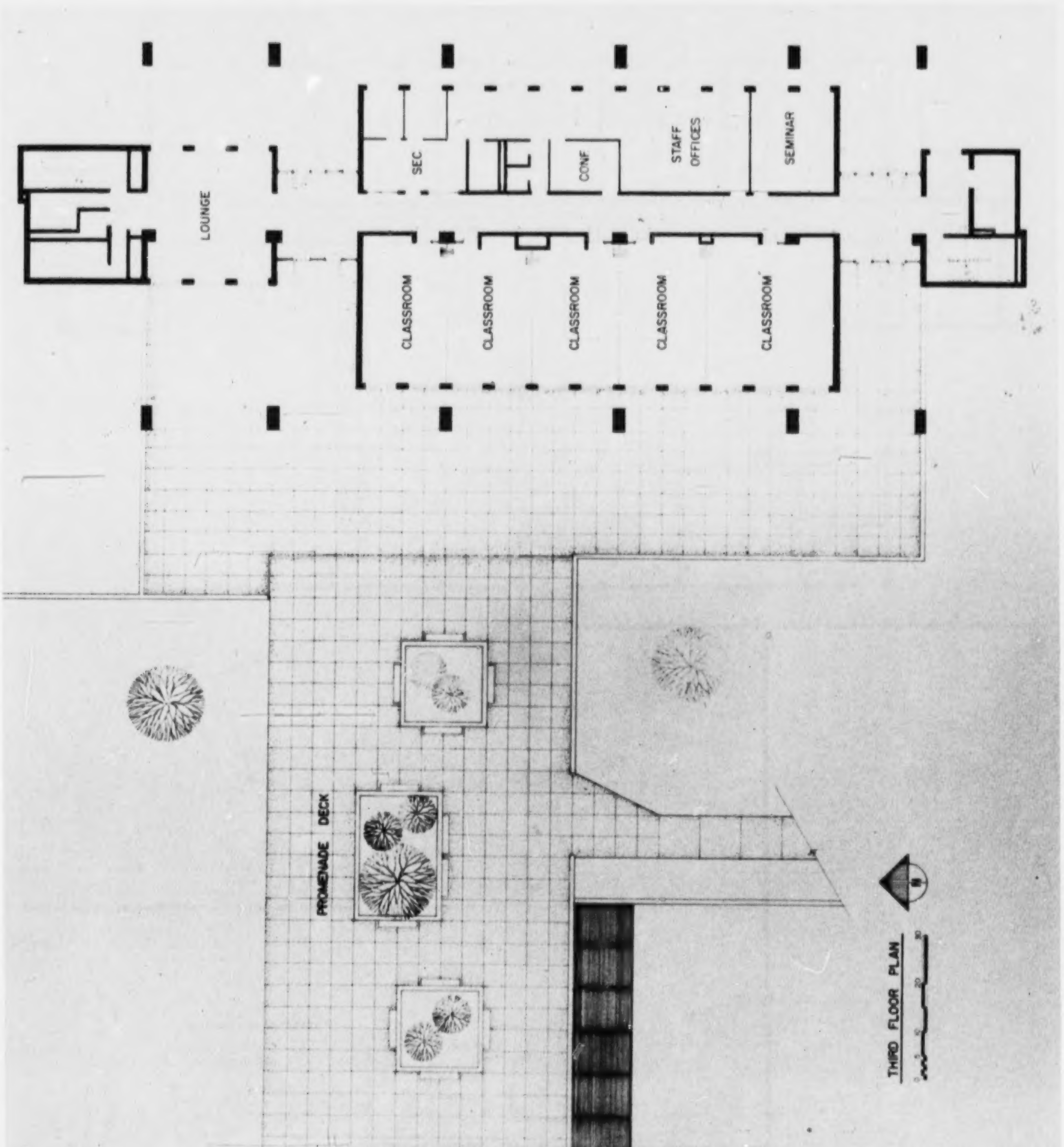
RTI
TRADE & INDUSTRY BUILDING

DURRANT · DEININGER · DOMMER · KRAMER · GORDON ARCHITECTS & ENGINEERS WATERTOWN, WISCONSIN

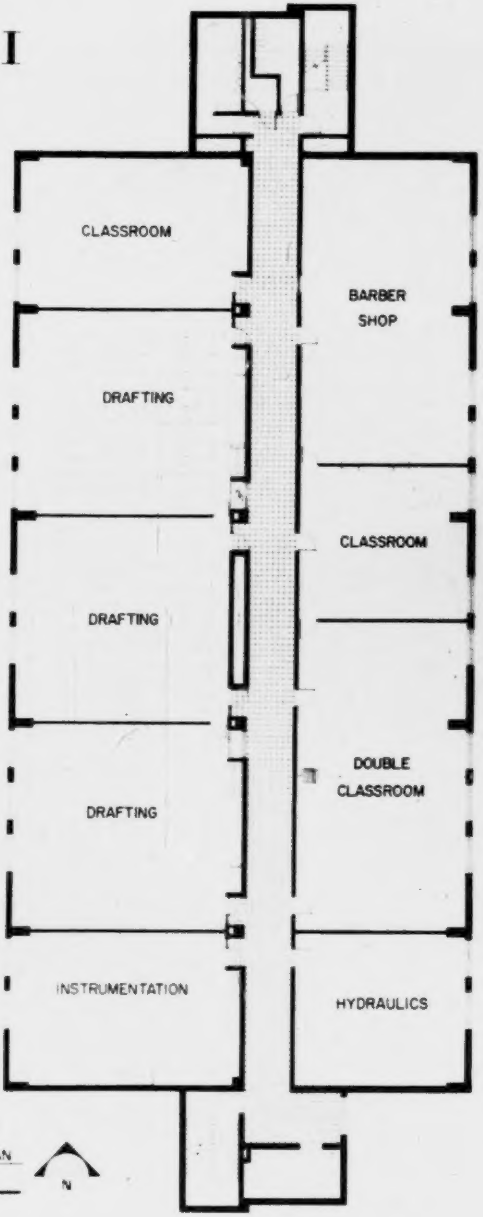

RTI
ADVANCED AUTO SHOP
BASIC AUTO SHOP
PARKING
FIRST FLOOR PLAN
N

RTI

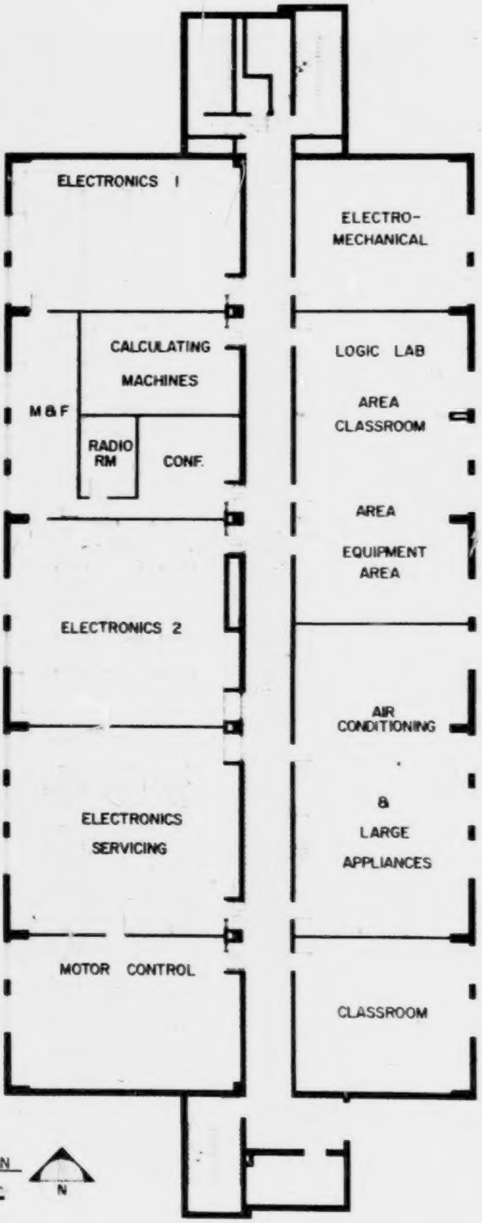

METAL TESTING
NON-METAL TESTING
CLASSROOM
UPHOLSTERY SHOP
APPRENTICE TRAINING ROOM
ADVANCED MACHINE SHOP
BASIC MACHINE SHOP
TERRACE
TESTING
WOOD SHOP
CLASSROOM
WELDING SHOP
RECEIVING
BOILER ROOM
ELECTRIC
SERVICE
SECOND FLOOR PLAN
0
5
10
20
30
N


RTI
LOUNGE
SEC
CONF
STAFF OFFICES
SEMINAR
CLASSROOM
CLASSROOM
CLASSROOM
CLASSROOM
CLASSROOM
PROMENADE DECK
N
THIRD FLOOR PLAN
0
5
10
20
30

RTI

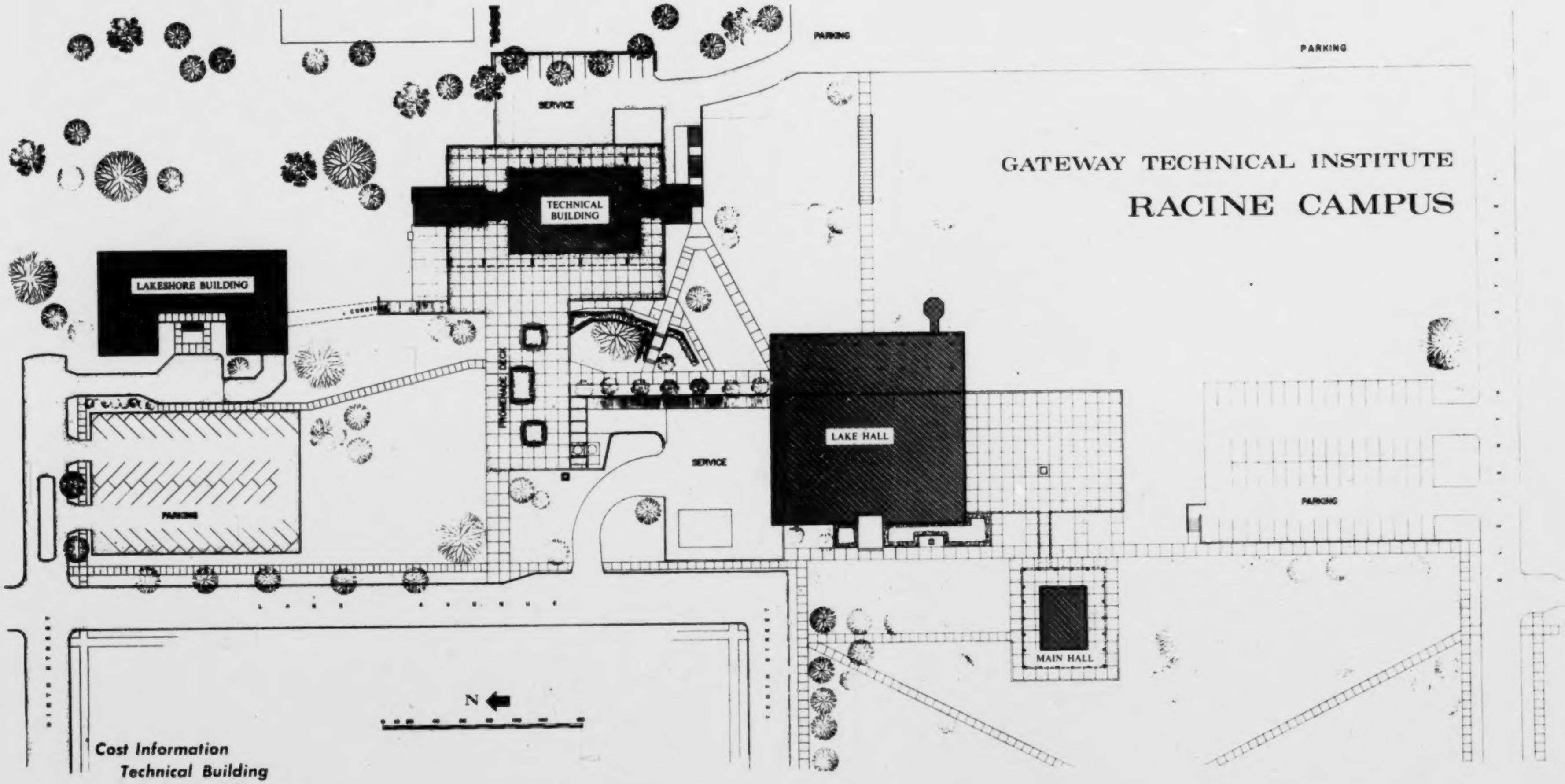

CLASSROOM
BARBER SHOP
DRAFTING
CLASSROOM
DRAFTING
DOUBLE CLASSROOM
DRAFTING
INSTRUMENTATION
HYDRAULICS
N

FIFTH FLOOR PLAN


ELECTRONICS I
ELECTRO-MECHANICAL
CALCULATING MACHINES
LOGIC LAB
M&F
AREA CLASSROOM
RADIO RM
CONF.
AREA
EQUIPMENT AREA
ELECTRONICS 2
AIR CONDITIONING
&
LARGE APPLIANCES
ELECTRONICS SERVICING
MOTOR CONTROL
CLASSROOM
N

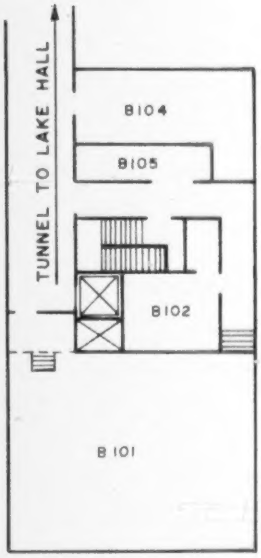
FOURTH FLOOR PLAN

GATEWAY TECHNICAL INSTITUTE
RACINE CAMPUS


PARKING
PARKING
SERVICE
TECHNICAL BUILDING
LAKESHORE BUILDING
PROMENADE DECK
LAKE HALL
SERVICE
PARKING
PARKING
MAIN HALL
LAKE AVENUE
N

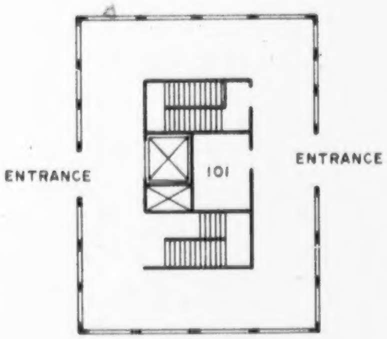
Cost Information
Technical Building

$2,443,174.68 Total Building Cost,
including Fixed Equipment
92,500 Total Square Feet
$26.41 Cost Per Square Foot


TUNNEL TO LAKE HALL
B104
B105
B102
B 101

B100	Tunnel to Lake Hall
B101	Boiler Room
B104	Electrical and Telephone Area
B105	Electrical and Telephone Area

Main Hall—Basement Floor

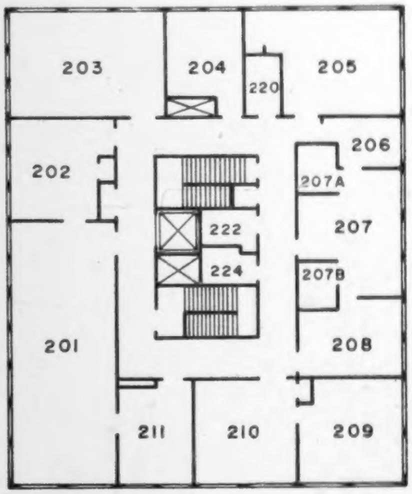

ENTRANCE
101
ENTRANCE

101 Storeroom

Main Hall—First Floor

Main Hall—Second Floor

The central campus offices are located on this floor.


203
204
220
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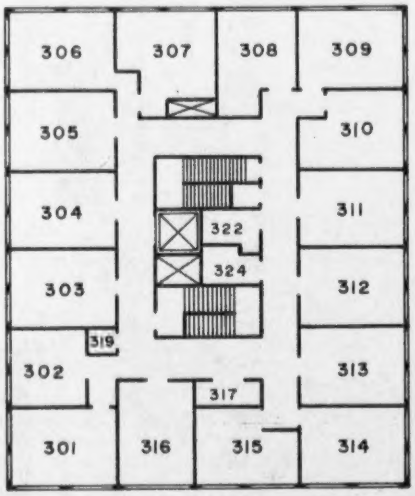
202
207A
222
207
224
207B
201
208
211
210
209

201	Business Office
202	Deputy Director's Office
203	Conference Room
204	Instructional Services Office
205	Lounge
206	Student Services Offices
207	Student Services Offices
208	Student Services Offices
209	Research and Planning
210	Research and Planning
211	Research and Planning

Main Hall—Third Floor

Faculty offices comprise the entire third floor.


306
307
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315
314

301-317 Faculty Offices

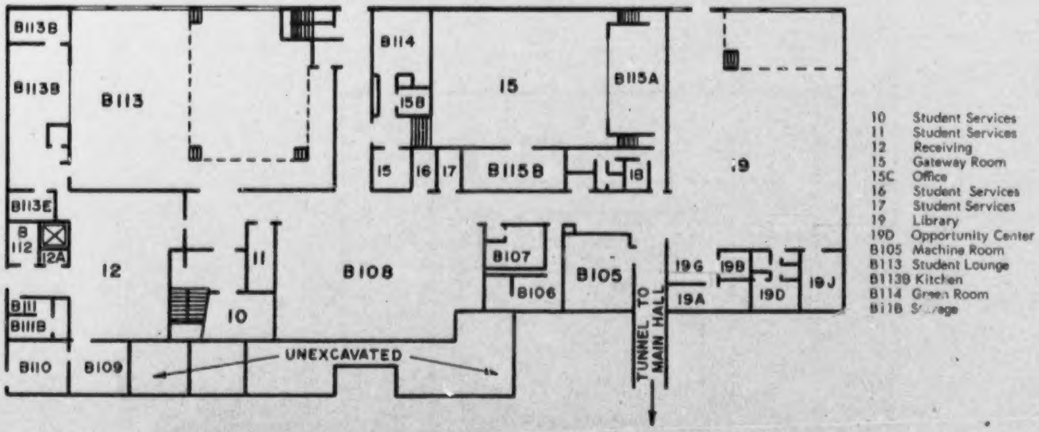
Lake Hall—Lower Level

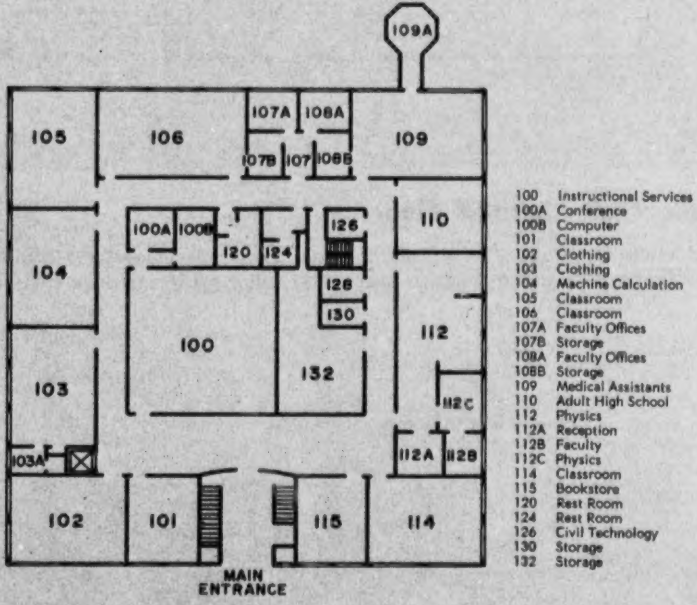
A main feature of this floor is the Library Learning Resource Center. It is an educational, informational facility, in quiet, pleasant surroundings, affording opportunity for study and reference. There is an extensive collection of circulating and reference materials in the form of books, periodicals, and audio visual aids such as film strips, cassette tapes, and slides. There are rooms where these may be utilized as well as carrels for uninterrupted study.

The kitchen facilities are the domain of the restaurant and hotel cookery students, where food is prepared in lab study and for serving in the cafeteria or at gourmet lunches in the Green Room.

Adjoining the cafeteria is the lounge where students gather between classes, and an outside patio area for warm weather relaxing. Adjacent to the student lounge are lockers and the Student Government Association office.

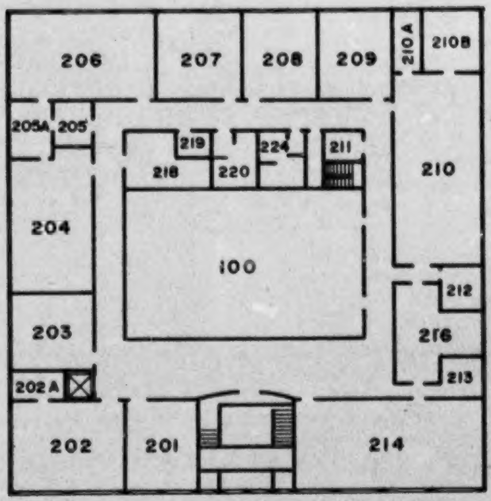
Also on this level is the Gateway Room. Capable of seating more than 200 persons, it is designed to facilitate large group seminars and community events.


B113B
B113B
B113
B114
15B
15
B115A
15
16
17
B115B
18
19
B113E
B 112
12A
12
11
B108
B107
B106
B105
19G
19B
19A
19D
19J
B111
B111B
B110
B109
10
UNEXCAVATED
TUNNEL TO MAIN HALL
10 Student Services
11 Student Services
12 Receiving
15 Gateway Room
15C Office
16 Student Services
17 Student Services
19 Library
19D Opportunity Center
B105 Machine Room
B113 Student Lounge
B113B Kitchen
B114 Green Room
B118 Storage


109A
105
106
107A
108A
107B
107
108B
109
100A
100B
120
124
126
128
130
110
104
100
132
112
103
112C
103A
112A
112B
102
101
115
114
MAIN ENTRANCE
100 Instructional Services
100A Conference
100B Computer
101 Classroom
102 Clothing
103 Clothing
104 Machine Calculation
105 Classroom
106 Classroom
107A Faculty Offices
107B Storage
108A Faculty Offices
108B Storage
109 Medical Assistants
110 Adult High School
112 Physics
112A Reception
112B Faculty
112C Physics
114 Classroom
115 Bookstore
120 Rest Room
124 Rest Room
126 Civil Technology
130 Storage
132 Storage

Lake Hall—First Floor

There is a large demonstration and lecture hall on this floor which seats 180 persons. A book room, home economics sewing rooms, a physics lab, and multi-purpose classrooms serving many programs, among them, health occupations and business education, are located here. An attached greenhouse overlooking Lake Michigan will be utilized for horticulture classes.


206
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210A
210B
205A
205
219
224
211
218
220
210
204
100
212
203
216
213
202A
202
201
214

201	Classroom
202	Shorthand
203	Office Simulation
204	Typing
205	Faculty Office
205A	Faculty Office
206	Typing
207	Driver Education
208	Classroom
209	Classroom
210	Chemistry
210A	Faculty Office
210B	Storage
212	Faculty Office
213	Faculty Office
214	Fire Technology Lab.
216	Ward Clerk Lab.

Lake Hall—Second Floor

The chemistry laboratory is located on this floor as well as typing and shorthand labs, office practice areas, and other multi-purpose classrooms.

CONSTRUCTION PROJECT ANALYSIS

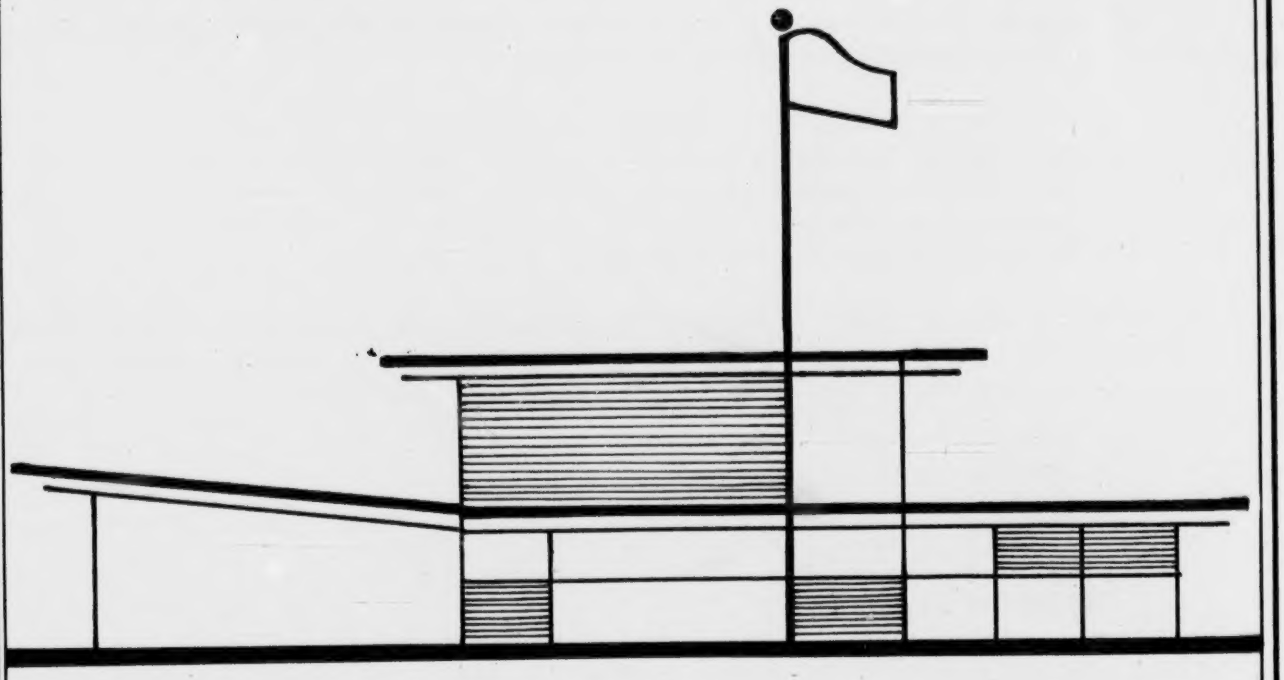
NAME OF SCHOOL WAUKESHA COUNTY TECHNICAL INSTITUTE DISTRICT # 8

LOCATION PEWAUKEE WISCONSIN

AREA DIRECTOR A. J. NATALIZIO

PROJECT NO. 69. 08. 27 DATE MAY 1969 (REV. SEPT. 1970)

ARCHITECT JOHN J. FLAD & ASSOCIATES



Wisconsin Board of Vocational, Technical and Adult Education

Madison, Wisconsin

E. I. Lehrmann, Director

II

NARRATIVE ON PROPOSED FACILITY
(Establishment of Need)

Name of School Waukesha County Technical Institute **District #** 8

With the passage of Chapter 292 Laws of 1965, Vocational, Technical and Adult Education took on a new concept. Sec. 4. 41.155 states that by July 1, 1970 the State Board of Vocational, Technical and Adult Education shall act to include all areas in such school district as the State Board designates.

Waukesha County since July 1, 1967, acting to comply with the above law, became a county district. It went from a small city district to the entire County of Waukesha plus small segments protruding into Jefferson, Dodge and Racine counties.

The population for the school district rose from 45,000 in the city district to better than 220,000 in the county district. The population of Waukesha County alone is slated to double the present population of approximately 209,000 by 1980.

The present number of high school graduates from our district in June of 1968 was approximately 3400 with the number of graduates increasing with the years.

The Coordinating Council for Higher Education in a paper dated 1967 stated that by 1983 eighty-five percent of the high school graduates will attend a post-high school. The distribution is estimated as follows:

University & State Universities ------- 42%
Vocational, Technical Schools ------- 30%
Out-of-State Institutions ------- 5%
Proprietary Schools ------- 3%
Private Colleges & Universities ------- 5%

By far the greatest growth in our school has been in the post-high school division for two-year Associate degree and the one and two-year vocational diploma programs. The growth in the last few years has been as follows:

1963-64 ------- 37 Students
1964-65 ------- 116 "
1965-66 ------- 178 "
1966-67 ------- 339 "
1967-68 ------- 570 "
1968-69 ------- 775 "

Along with the growth of the student population, the instructional personnel has also grown in keeping pace as follows:

September,	1965	22 Full-time instructors
"	1966	37 " " "
"	1967	55 " " "
"	1968	74 " " "

IIA

NARRATIVE ON PROPOSED FACILITY
(Establishment of Need)

Name of School Waukesha County Technical Institute **District #** 8

Assuming 100 sq. ft. of space necessary per student, our space need for 1975 will be for 2500 students or approximately 250,000 sq. ft. of space in a new facility.

Our present building, which we rent from the city of Waukesha, has 46,000 sq. ft. and we have added an additional 14,000 sq. ft. of classroom and office space in the purchase of the former Fox Head Brewery building.

We expect to be able to move into the new facility during the summer of 1971 with approximately 1500 students and be able to grow into complete utilization of the facility by 1975.

III

PROJECT SCHEDULE

Name of School WAUKESHA COUNTY TECHNICAL INSTITUTE District # 8

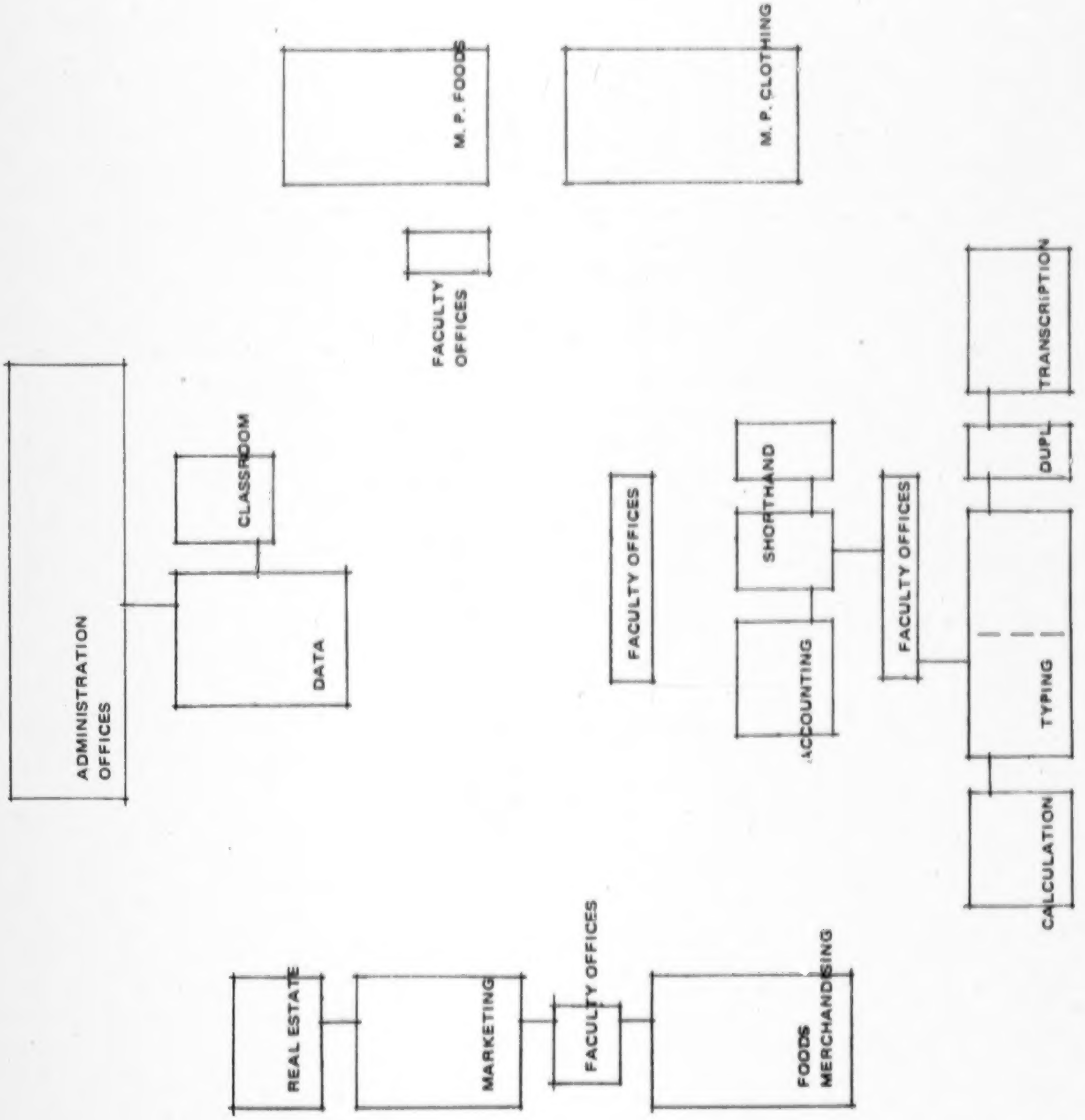
		Tentative Date	Approval Date
1.	Preliminary need studies		
2.	Area board action to proceed		
3.	Development of long-range plan		
4.	Area board approval		
5.	State office approval		
6.	The development of educational specifications		
7.	Area board approval		
8.	State office approval		
9.	Selection and commissioning architect		
10.	Site study and site selection		
11.	Development of schematic plans with state and area approval	6/1/69	6/1/69
12.	Development of construction plans and specifications with state and area approval	11/15/69	12/15/69
13.	Establishment of bidding date	1/1/70	2/5/70
14.	Award of contracts	1/15/70	3/2/70
15.	Start construction	2/1/70	4/10/70

IV-A

SPACE AND CONFIGURATION DIAGRAM OF ASSIGNABLE SPACES

Scale 1" = 50 ft.

Name of School WAUKESHA COUNTY TECHNICAL INSTITUTE District # 8



M. P. FOODS
M. P. CLOTHING
FACULTY OFFICES
TRANSCRIPTION
DUPL
ADMINISTRATION OFFICES
CLASSROOM
DATA
FACULTY OFFICES
SHORTHAND
SHORTHAND
ACCOUNTING
FACULTY OFFICES
TYPING
CALCULATION
REAL ESTATE
MARKETING
FACULTY OFFICES
FOODS MERCHANDISING

LOWER LEVEL

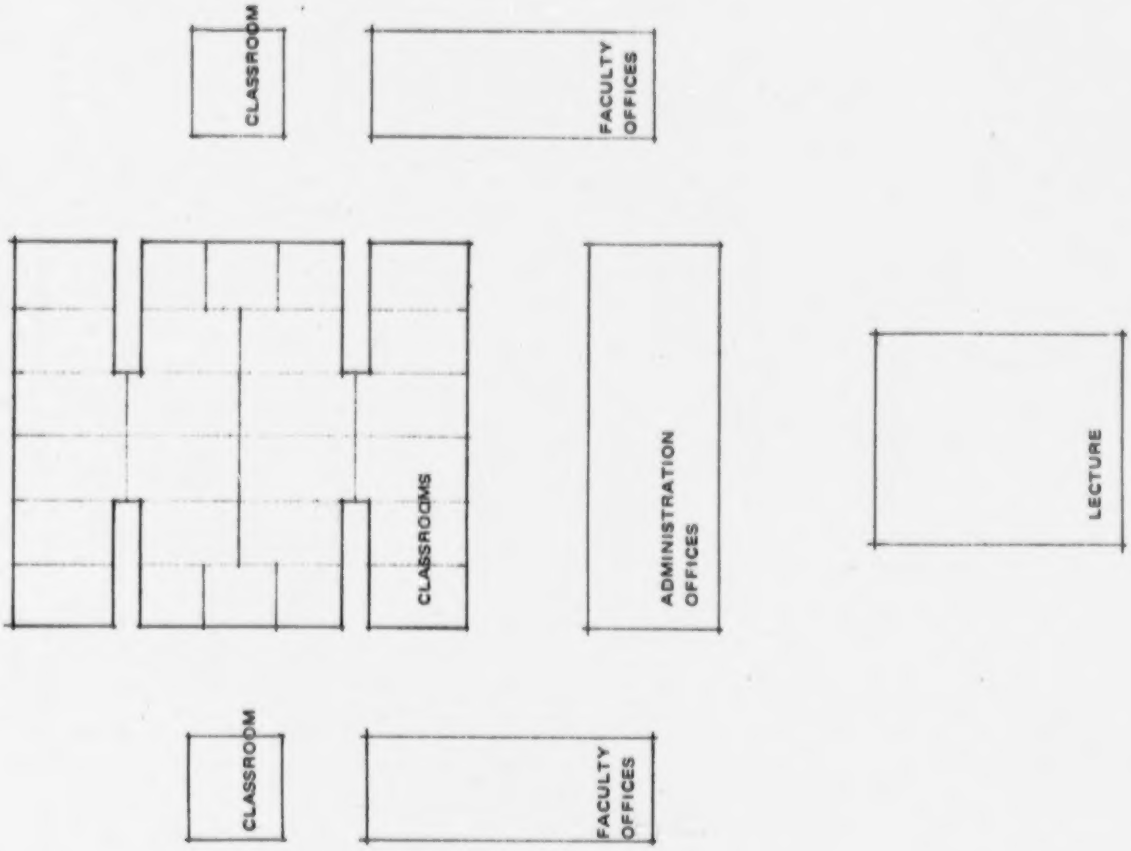
ACADEMIC - ADMINISTRATION BUILDING

IV - B

SPACE AND CONFIGURATION DIAGRAM OF ASSIGNABLE SPACES

Scale 1" = 50 ft.

Name of School WAUKESHA COUNTY TECHNICAL INSTITUTE **District #** 8


CLASSROOM
FACULTY OFFICES
CLASSROOMS
ADMINISTRATION OFFICES
LECTURE
CLASSROOM
FACULTY OFFICES

UPPER LEVEL

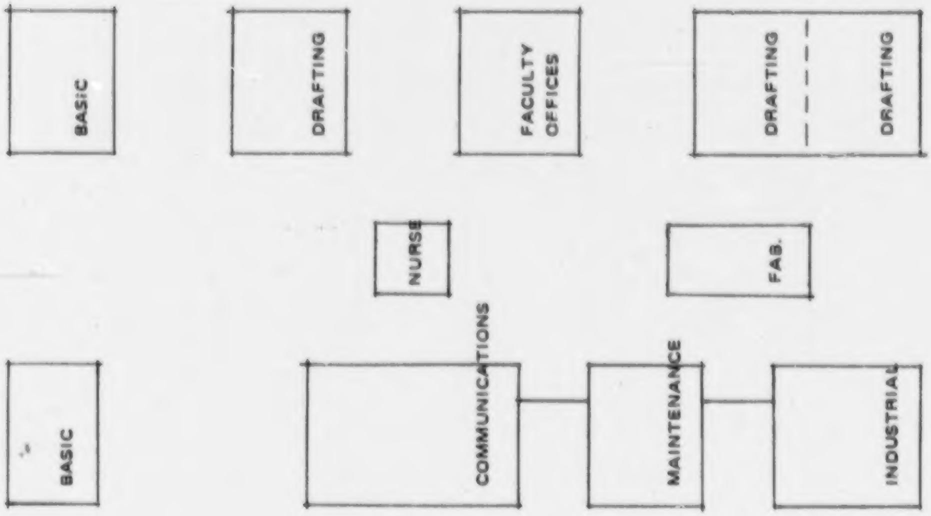
ACADEMIC - ADMINISTRATION BUILDING

IV - C

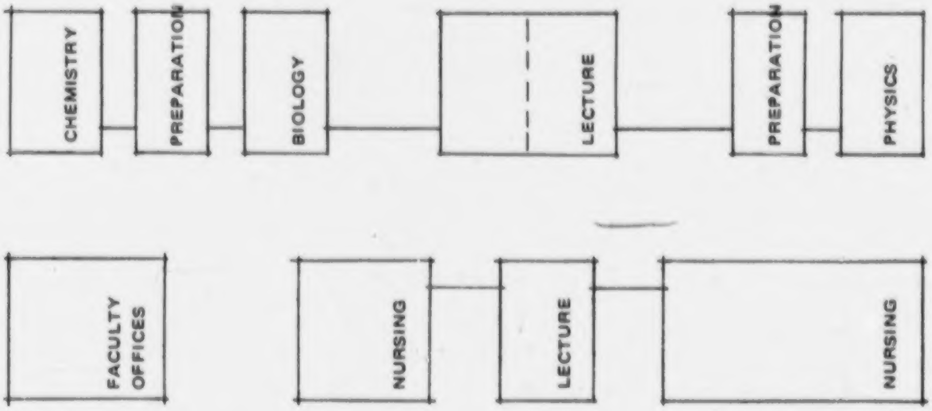
SPACE AND CONFIGURATION DIAGRAM OF ASSIGNABLE SPACES

Scale 1" = 50 ft.

Name of School WAUKESHA COUNTY TECHNICAL INSTITUTE **District #** 8


BASIC
DRAFTING
FACULTY OFFICES
DRAFTING
DRAFTING
NURSE
FAB.
BASIC
COMMUNICATIONS
MAINTENANCE
INDUSTRIAL

LOWER LEVEL


CHEMISTRY
PREPARATION
BIOLOGY
LECTURE
PREPARATION
PHYSICS
FACULTY OFFICES
NURSING
LECTURE
NURSING

UPPER LEVEL

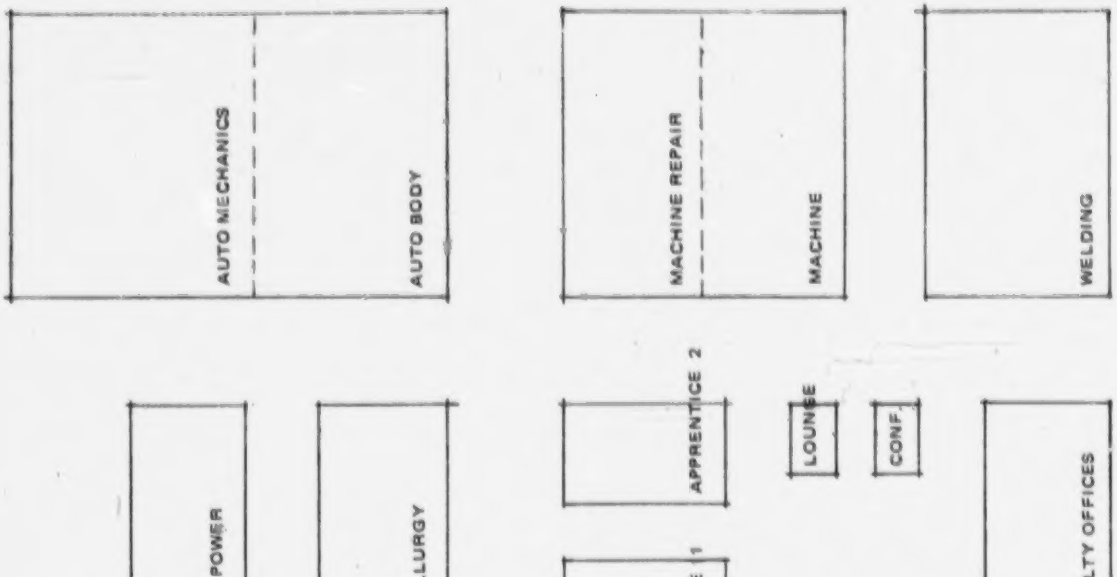
HEALTH - SCIENCE BUILDING

IV · D

SPACE AND CONFIGURATION DIAGRAM OF ASSIGNABLE SPACES

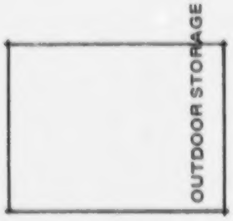
Scale 1" = 50 ft.

Name of School WAUKESHA COUNTY TECHNICAL INSTITUTE District # 8



AUTO MECHANICS
AUTO BODY
MACHINE REPAIR
MACHINE
WELDING
APPRENTICE 2
LOUNGE
CONF.
FLUID POWER
METALLURGY
APPRENTICE 1
FACULTY OFFICES

INDUSTRIAL BUILDING



OUTDOOR STORAGE

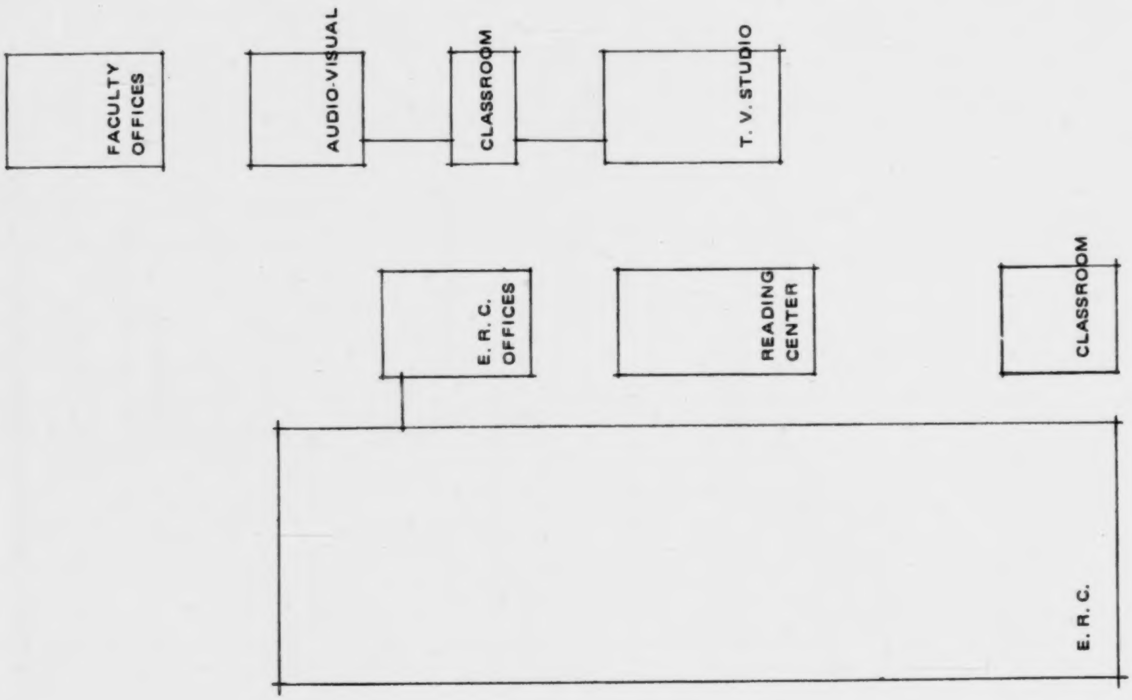
CENTRAL HEATING & STORAGE BUILDING

IV - E

SPACE AND CONFIGURATION DIAGRAM OF ASSIGNABLE SPACES

Scale 1" = 50 ft.

Name of School WAUKESHA COUNTY TECHNICAL INSTITUTE District # 8


FACULTY OFFICES
AUDIO-VISUAL
CLASSROOM
T. V. STUDIO
E. R. C. OFFICES
READING CENTER
CLASSROOM
E. R. C.

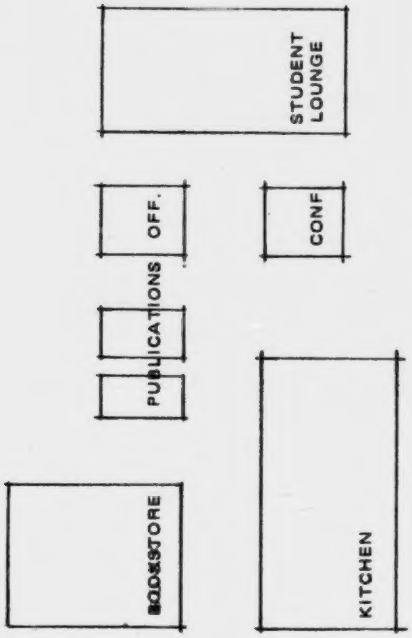
EDUCATIONAL RESOURCE CENTER

IV - F

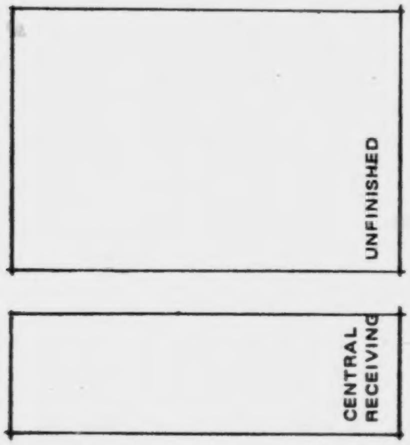
SPACE AND CONFIGURATION DIAGRAM OF ASSIGNABLE SPACES

Scale 1" = 50 ft.

Name of School WAUKESHA COUNTY TECHNICAL INSTITUTE **District #** 8


STUDENT LOUNGE
CAFETERIA
FACULTY DINING
FACULTY DINING
OFF.
CONF
PUBLICATIONS
BOOKSTORE
KITCHEN

UPPER LEVEL


UNFINISHED
CENTRAL RECEIVING

LOWER LEVEL

STUDENT CENTER

V - A

SCHEDULE OF ASSIGNABLE SPACES

Name of School WAUKESHA COUNTY TECHNICAL INSTITUTE District # 8

Space	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
A. Classrooms				
1.	4	780	3,120	128
2.	5	670	3,350	140
3.	8	560	4,480	192
4.	1	510	510	22
B. Laboratories - Function				
1. M. P. FOODS	1	–	2,480	24
2. M. P. CLOTHING	1	–	2,760	40
3. MACH. TRANSCRIPTION	1	–	1,250	24
4. SHORTHAND	1	–	510	20
C. Shops - Function				
1. MACHINE SHOP	1		3,585	24
2. MACHINE REPAIR SHOP	1		3,585	24
3. WELDING LAB.	1		4,110	40
4. METALLURGY	1		2,510	32
5. FLUID POWER	1		2,200	24
6. APPRENTICE I	1		1,810	20
D. Offices				
1. ADMINISTRATION	35	–	8,610	–
2. FACULTY OFFICES	–	–	12,850	–
3. SCHOOL NURSE	1	–	400	–
E. Other Instructional - Function				
1. E. R. C.			17,580	
2. COMMUNITY CENTER L. L. (UNFINISHED)			9,400	
F. Non-Instructional Space				
1. Heat, power & mech.				
2. Custodial				
3. Toilets				
4. Shower & locker				
5. Corridors				
6.				

TOTAL

I. NET ASSIGNABLE AREA __________

II. NON-ASSIGNABLE AREA __________

III. GROSS AREA __________

IV. TOTAL STUDENT STATIONS __________

V. NO. OF STUDENTS TO BE SERVED __________

Full-time __________
Part-time __________

V-B

SCHEDULE OF ASSIGNABLE SPACES

Name of School WAUKESHA COUNTY TECHNICAL INSTITUTE District # 8

Space	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
A. Classrooms				
1.	1	500	500	20
2.	2	480	960	40
3.	1	460	460	20
4.	4	440	1,760	72
B. Laboratories - Function				
1. SHORTHAND	1		670	24
2. ACCOUNTING	1		990	24
3. DUPLICATING	1		450	
4. TYPING	2	1,010	2,020	48
C. Shops - Function				
1. APPRENTICE II	1		1,290	20
2. ELECTRONICS MAINTENANCE	1		1,260	–
3. ELECTRONICS FABRICATION	1		800	20
4. INDUSTRIAL ELECTRONICS	1		2,020	20
5. AUTO MECHANICS	1		5,900	20
6. AUTO BODY	1		4,450	20
D. Offices				
1. E. R. C.	6		1,240	
2. PUBLICATIONS	2	322	644	
3.				
E. Other Instructional - Function				
1. CAFETERIA	1		8,960	
2. STUDENT LOUNGE	2		2,790	
F. Non-Instructional Space				
1. Heat, power & mech.				
2. Custodial				
3. Toilets				
4. Shower & locker				
5. Corridors				
6.				

TOTAL

I. NET ASSIGNABLE AREA ______________

II. NON-ASSIGNABLE AREA ______________

III. GROSS AREA ______________

IV. TOTAL STUDENT STATIONS ______________

V. NO. OF STUDENTS TO BE SERVED ______________

Full-time ______________
Part-time ______________

V-C

SCHEDULE OF ASSIGNABLE SPACES

Name of School WAUKESHA COUNTY TECHNICAL INSTITUTE District # 8

Space	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
A. Classrooms				
1.	2	425	850	36
2.	6	300	1,800	72
3. DEMONSTRATION/LECTURE	1	–	4,010	230
4. SCIENCE LECTURE	2	880	1,760	100
B. Laboratories - Function				
1. MACH. CALCULATION	1		1,000	24
2. UNIT RECORDS	1		1,920	24
3. FOODS MERCHANDISING	1		2,435	24
4. MARKETING	1		2,035	24
C. Shops - Function				
1.				
2.				
3.				
4.				
5.				
6.				
D. Offices				
1.				
2.				
3.				
E. Other Instructional - Function				
1. CONFERENCE	10		1,400	
2. AUDIO-VISUAL	1		1,020	
F. Non-Instructional Space				
1. Heat, power & mech.				
2. Custodial				
3. Toilets				
4. Shower & locker				
5. Corridors				
6.				

TOTAL

I. NET ASSIGNABLE AREA __________

II. NON-ASSIGNABLE AREA __________

III. GROSS AREA __________

IV. TOTAL STUDENT STATIONS __________

V. NO. OF STUDENTS TO BE SERVED __________

Full-time __________
Part-time __________

SCHEDULE OF ASSIGNABLE SPACES

Name of School WAUKESHA COUNTY TECHNICAL INSTITUTE District # 8

	Space	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
A.	Classrooms				
	1. NURSING LECTURE	1	–	950	40
	2.	1		900	38
	3.				
	4.				
B.	Laboratories - Function				
	1. REAL ESTATE	1		1,040	24
	2. DRAFTING	3	1,260	3,780	72
	3. BASIC ELECTRONICS I	1		1,170	10
	4. BASIC ELECTRONICS II	1		1,060	10
C.	Shops - Function				
	1.				
	2.				
	3.				
	4.				
	5.				
	6.				
D.	Offices				
	1.				
	2.				
	3.				
E.	Other Instructional - Function				
	1. INSTRUCTIONAL T. V.	1		1,540	
	2. BOOK STORE	1		1,570	
F.	Non-Instructional Space				
	1. Heat, power & mech.				
	2. Custodial				
	3. Toilets				
	4. Shower & locker				
	5. Corridors				
	6.				

TOTAL

I. NET ASSIGNABLE AREA ______________

II. NON-ASSIGNABLE AREA ______________

III. GROSS AREA ______________

IV. TOTAL STUDENT STATIONS ______________

V. NO. OF STUDENTS TO BE SERVED ______________

Full-time ____________
Part-time ____________

V - E

SCHEDULE OF ASSIGNABLE SPACES

Name of School WAUKESHA COUNTY TECHNICAL INSTITUTE District # 8

	Space	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
A.	Classrooms				
	1.				
	2.				
	3.				
	4.				
B.	Laboratories - Function				
	1. COMMUNICATIONS/COMPUTER	1		2,300	20
	2. PHYSICS	1		1,100	24
	3. PHYSICS PREPARATION	1		800	
	4. BIOLOGY	1		1,100	24
C.	Shops - Function				
	1.				
	2.				
	3.				
	4.				
	5.				
	6.				
D.	Offices				
	1.				
	2.				
	3.				
E.	Other Instructional - Function				
	1. CENTRAL RECEIVING	1		3,675	
	2. OUTDOOR STORAGE	1		2,800	
F.	Non-Instructional Space				
	1. Heat, power & mech.				
	2. Custodial				
	3. Toilets				
	4. Shower & locker				
	5. Corridors				
	6.				

TOTAL

I. NET ASSIGNABLE AREA

II. NON-ASSIGNABLE AREA

III. GROSS AREA

IV. TOTAL STUDENT STATIONS

V. NO. OF STUDENTS TO BE SERVED

Full-time

Part-time

SCHEDULE OF ASSIGNABLE SPACES

Name of School WAUKESHA COUNTY TECHNICAL INSTITUTE District # 8

Space	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
A. Classrooms				
1.				
2.				
3.				
4.				
B. Laboratories - Function				
1. CHEMISTRY	1		1,020	24
2. CHEM. & BIO. PREP.	1		800	–
3. NURSING I	1		3,005	16
4. NURSING II	1		1,485	16
C. Shops - Function				
1.				
2.				
3.				
4.				
5.				
6.				
D. Offices				
1.				
2.				
3.				
E. Other Instructional - Function				
1. FACULTY DINING	1		1,140	
2. FACULTY LOUNGE	1		1,140	
F. Non-Instructional Space				
1. Heat, power & mech.				
2. Custodial				
3. Toilets				
4. Shower & locker				
5. Corridors				
6.				

TOTAL

I. NET ASSIGNABLE AREA ____________

II. NON-ASSIGNABLE AREA ____________

III. GROSS AREA ____________

IV. TOTAL STUDENT STATIONS ____________

V. NO. OF STUDENTS TO BE SERVED ____________

Full-time ____________
Part-time ____________

V - G

SCHEDULE OF ASSIGNABLE SPACES

Name of School WAUKESHA COUNTY TECHNICAL INSTITUTE District # 8

Space	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
A. Classrooms				
1.				
2.				
3.				
4.				
B. Laboratories - Function				
1. FOODS(KITCHEN)	1		3,040	
2. READING CENTER	1		1,680	40
3.				
4.				
C. Shops - Function				
1.				
2.				
3.				
4.				
5.				
6.				
D. Offices				
1.				
2.				
3.				
E. Other Instructional - Function				
1.				
2.				
F. Non-Instructional Space				
1. Heat, power & mech.	6		17,731	
2. Custodial	10		2,180	
3. Toilets	14		2,830	
4. Shower & locker	2		1,100	
5. Corridors			35,860	
6.			4,000	

TOTAL

I. NET ASSIGNABLE AREA	183,699
II. NON-ASSIGNABLE AREA	57,591
III. GROSS AREA	241,290
IV. TOTAL STUDENT STATIONS	1,995
V. NO. OF STUDENTS TO BE SERVED	3,139

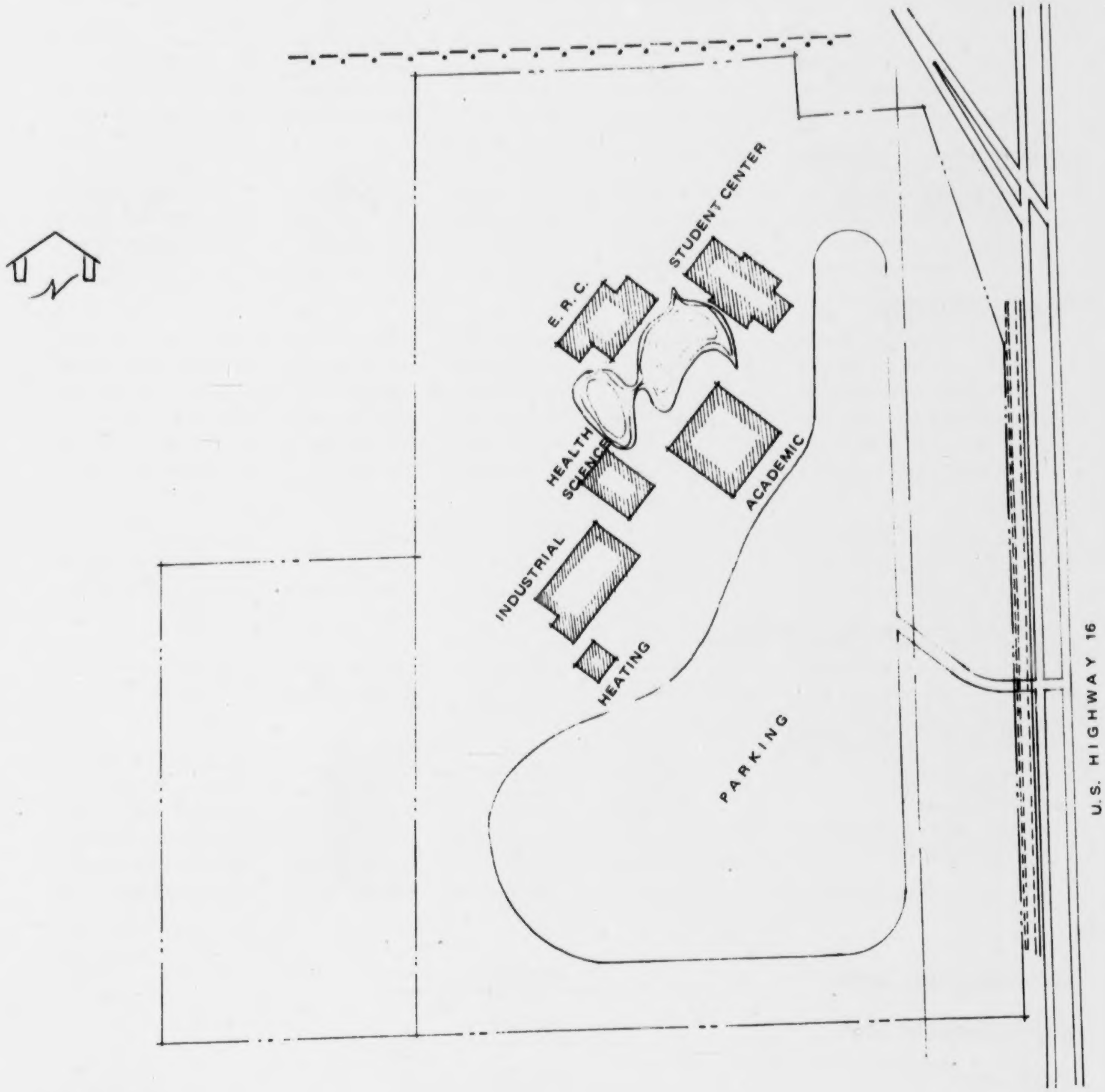
Full-time 1,167
Part-time 1,972

VI

SITE PLAN

Scale 1" = 400 ft.

Name of School WAUKESHA COUNTY TECHNICAL INSTITUTE District # 8


STUDENT CENTER
E. R. C.
HEALTH SCIENCE
ACADEMIC
INDUSTRIAL
HEATING
PARKING
U.S. HIGHWAY 16

UTILITY CODE

W ————————— Water Service
San ---------- Sanitary Sewer
St ▬▬▬▬▬▬▬▬ Storm Sewer
G ▪▪▪▪▪▪▪▪▪▪ Gas Service
E .-.-.-.-.-. Electric & Telephone Service

VII

PROJECT BUDGET

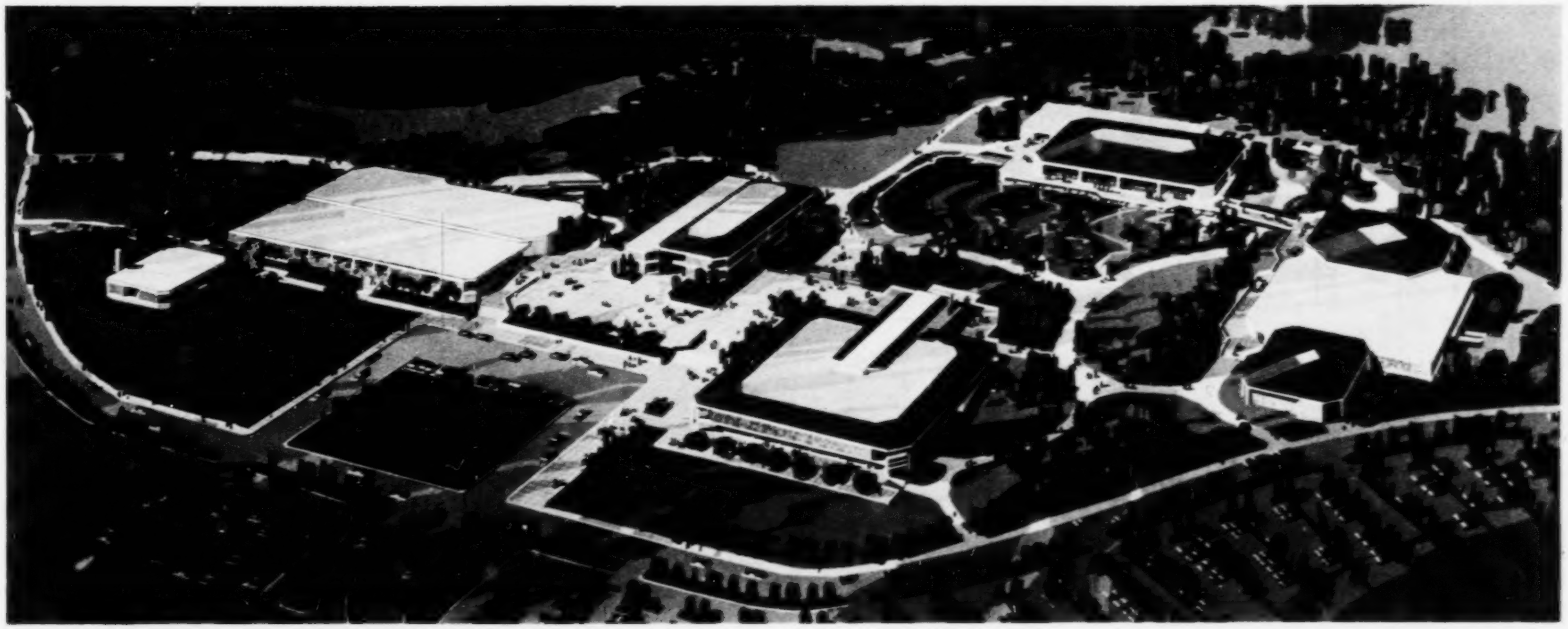
Name of School WAUKESHA COUNTY TECHNICAL INSTITUTE District # 8

Net Assignable Area 183,699 Non-Assignable 57,591 Gross Area 241,290

% in Non-Assignable Area 23.9

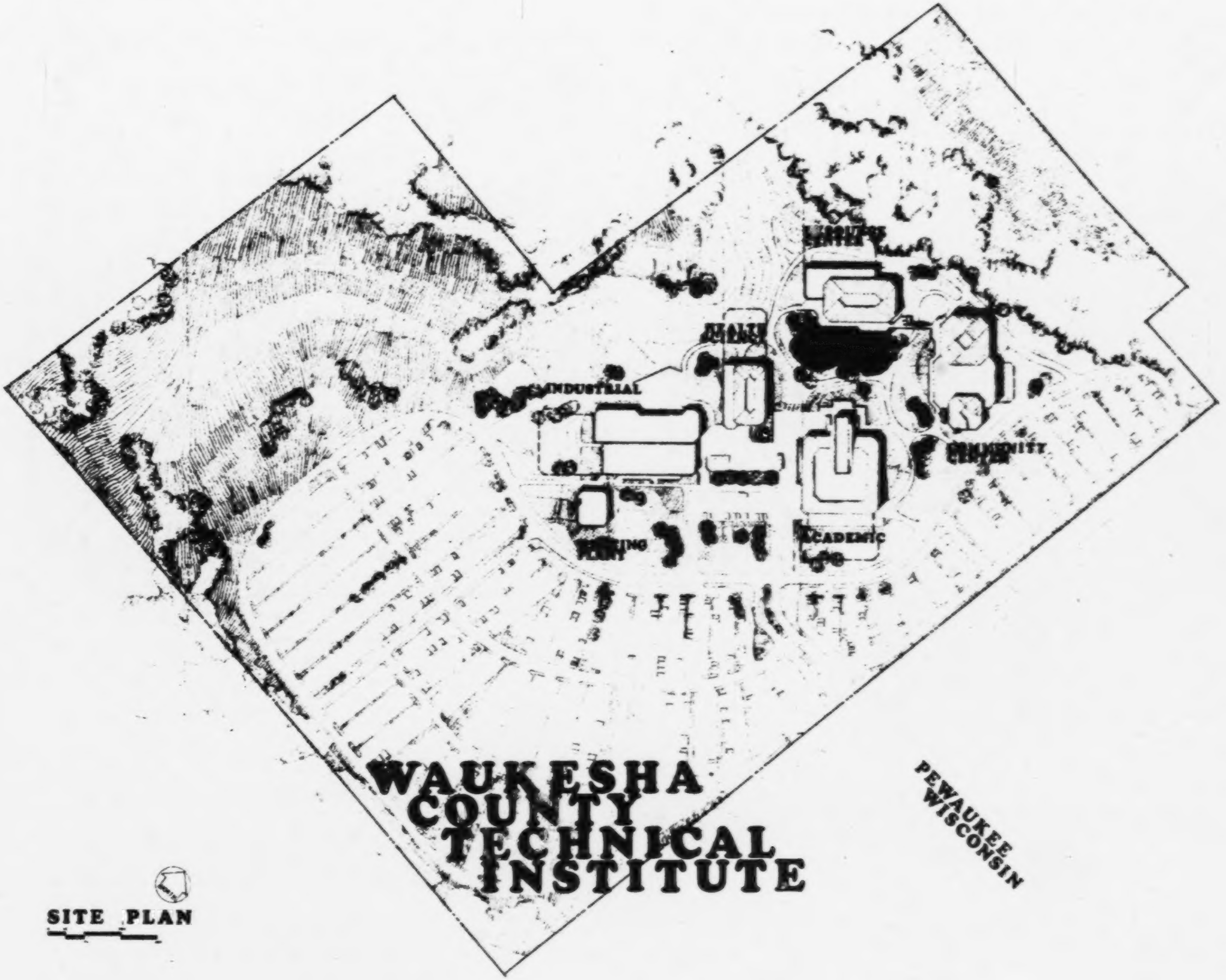
		Budget Estimate	Cost Per Sq. Ft.		Contract Award
I.	Construction				
	A. General construction	$3,306,100	13.34	13.19	$3,182,291.00
	B. Plumbing	406,800	1.64	1.22	294,430.00
	C. Heating & ventilating	593,600	2.40	2.95	712,277.00
	D. Air conditioning	220,000	.89	1.09	264,590.00 *
	E. Electrical	508,500	2.05	2.62	632,431.00
	F. Elevator	50,000	.20	.16	38,261.00
	G. Fixed equipment	335,000	1.35	.48	115,435.00
	H. Other CARPET	–		.44	105,670.00
	I.	–			
	J.	–			
	TOTAL	$5,420,000	21.87	22.15	$5,345,385.00
II.	Site Development	$ 450,000			$ 716,877.00 *
III.	Architect Fee ____ %	$ 340,000			$
IV.	Clerk of the Works	$ –			$
V.	Movable Equipment ____ %	$ 100,000			$
VI.	Construction Contingency	$ 100,000			$
VII.	Construction Cost Increase ____ %	$ –			$
VIII.	Land Purchase Cost per acre ____ X ____	$ 310,000			$
IX.	Utility Extensions				
	1. Sewer	$ –			$
	2. Electrical	$ –			$
	3. Streets, etc.	$ –			$
X.	Demolition	$ –			$
XI.	Total Project Cost	$ 6,720,000			$

* ESTIMATE



DISTRICT NUMBER 8
VOCATIONAL, TECHNICAL AND ADULT EDUCATION FACILITY
FOR
WAUKESHA COUNTY
PEWAUKEE WISCONSIN

JOHN J. FLAD & ASSOCIATES
ARCHITECTS AND ENGINEERS
MADISON WISCONSIN


INDUSTRIAL
ACADEMIC
COMMUNITY CENTER
WAUKESHA COUNTY TECHNICAL INSTITUTE
PEWAUKEE WISCONSIN

SITE PLAN

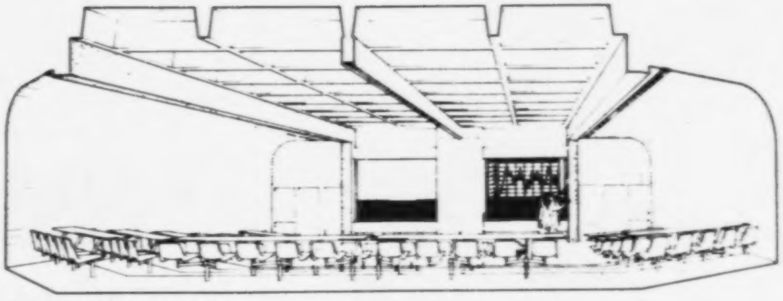
Administration Building

On the lower level of this two-story 80,000 square-foot structure are located all administrative offices, computer and data processing equipment.

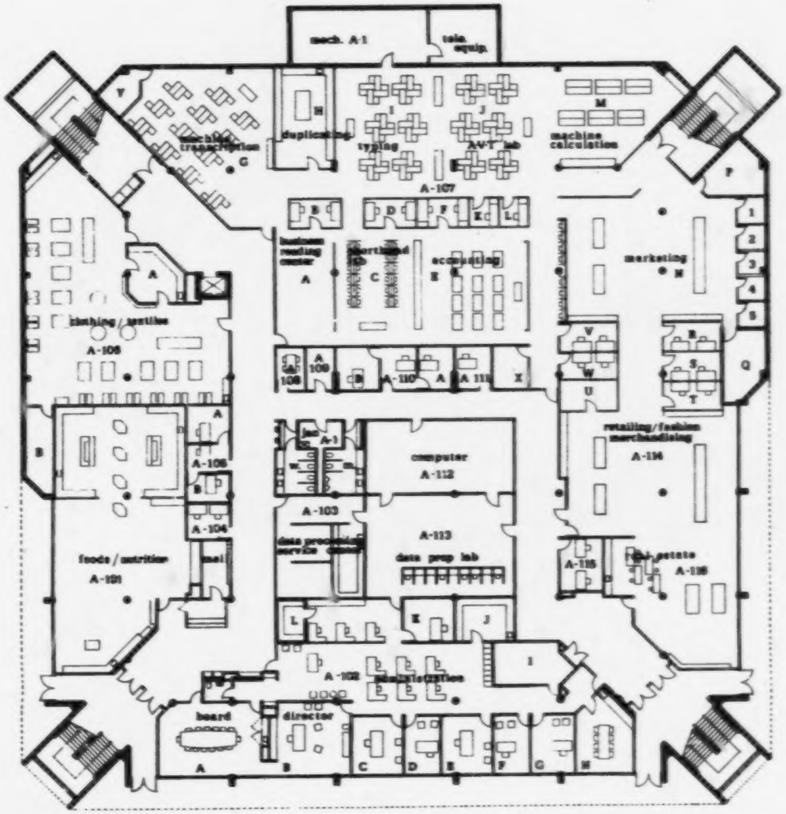
This level also contains instructional and lab areas for business administration and home economics courses.

The second floor houses the student services offices, a large lecture hall with a seating capacity of 230 and a folding wall to divide the room in half, instructional office complexes and flexible instructional space divided by demountable partitions and visual dividers rather than permanent walls, in keeping with the school's concept of individualized instruction.

This floor also contains eight conventional four-wall classrooms, the only ones on the entire campus.

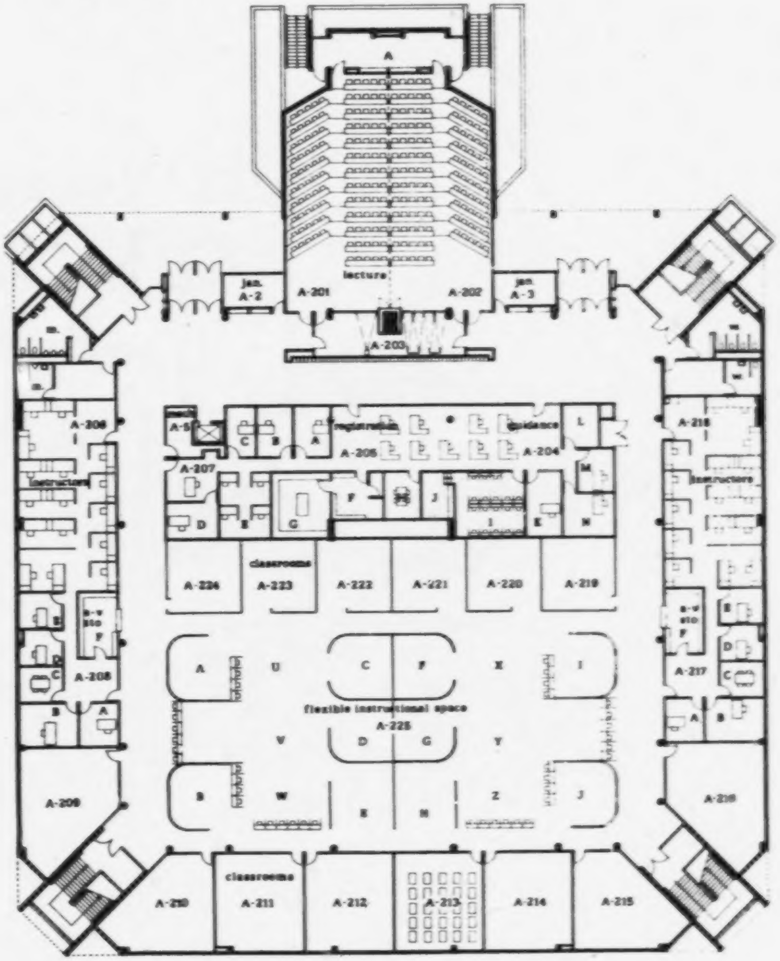


LECTURE HALL



mech. A-1
tele. equip.
machine transcription
duplicating
typing
A-V-T lab
machine calculation
A-107
business reading center
shorthand lab
accounting
marketing
clothing/textiles
A-105
A-108
A-109
A-110
A-111
computer
A-112
A-103
A-113
data prep lab
data processing service center
retailing/fashion merchandising
A-114
A-115
real estate
A-116
foods/nutrition
A-101
A-106
A-104
mail
A-102
administration
board
director

LOWER LEVEL



lecture
A-201
A-202
A-203
jan. A-2
jan. A-3
A-206
A-207
registration
A-205
guidance
A-204
A-218
instructors
A-224
classrooms
A-223
A-222
A-221
A-220
A-219
flexible instructional space
A-225
a-v sto
A-208
A-217
A-209
A-216
A-210
classrooms
A-211
A-212
A-213
A-214
A-215

UPPER LEVEL

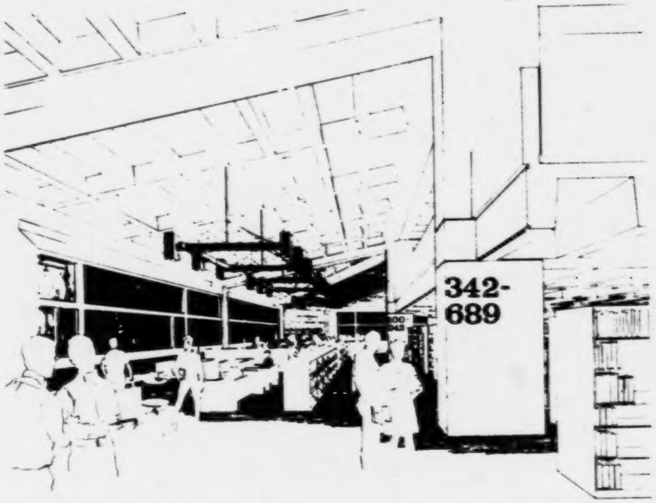
Resource Center

The Resource Center is the hub of the students' individualized study, as well as the curriculum and media development area for the school.

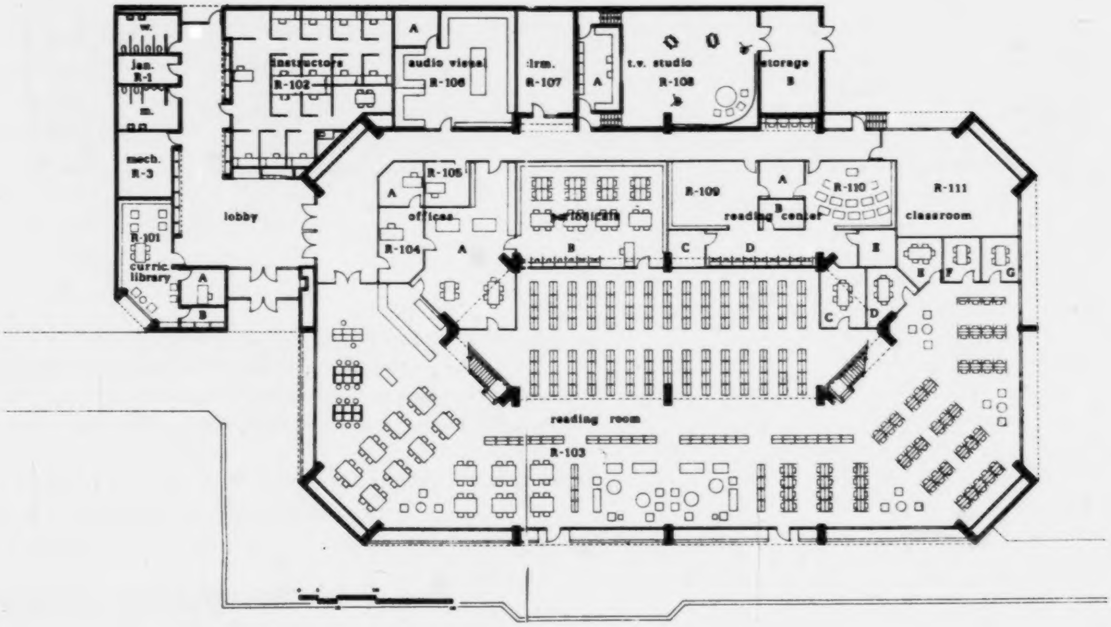
The focal point of the 33,000 square-foot building is the reading room, with its overhead balcony. This area is surrounded by small group and individualized study and reading areas.

Here the instructors find the curriculum library, as well as the entire media department, which handles all audio-visual and media material for the campus. One day this building also may house a closed-circuit television studio.

Therefore, as its name implies, the Resource Center is the central campus location for all materials a student needs for his studies and an instructor needs for his teaching tools.



VIEW OF READING ROOM


w.
jan.
R-1
m.
mech.
R-3
R-101
curric.
library
A
B
lobby
instructors
R-102
A
audio visual
R-106
clrm.
R-107
A
t.v. studio
R-108
storage
B
R-105
A
offices
R-104
A
carrels
B
R-109
C
D
A
B
reading center
R-110
E
R-111
classroom
E
F
G
C
D
reading room
R-103

RESOURCE CENTER

RESOURCE CENTER

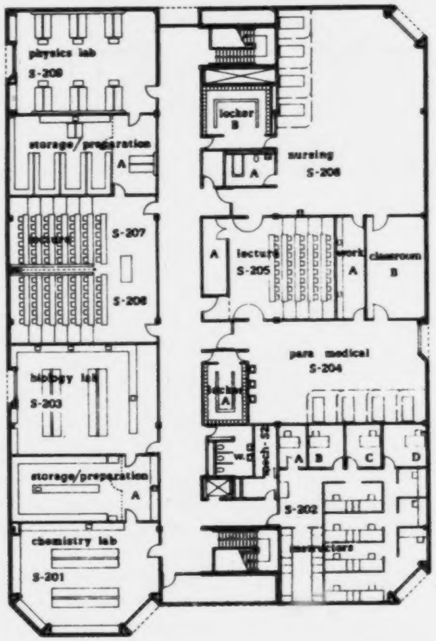
Science Building

This building's first floor is devoted to a number of electronics labs plus the drafting department with a double drafting room.

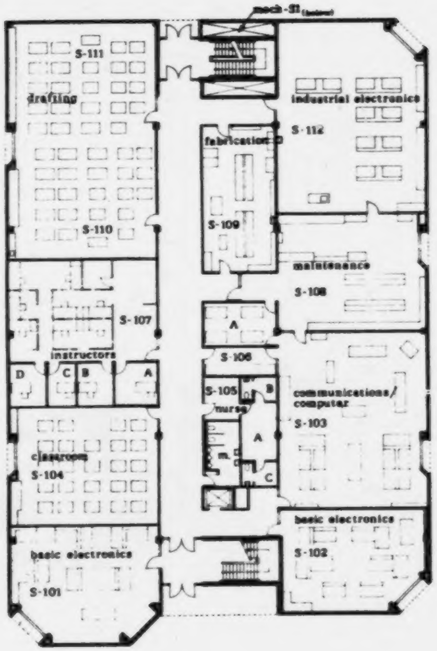
Also located here is the school nurse's office, which serves the entire campus.

The second floor of the 27,000 square-foot science building is divided into two parts. One side houses health occupations, in such areas as operating room assistants, practical nurses, nurses' assistants, ward clerks.

The second side is devoted to physics, biology and chemistry labs and lecture areas.


physics lab
S-209
storage/preparation
A
lecture
S-207
S-206
biology lab
S-203
storage/preparation
A
chemistry lab
S-201
locker
B
nursing
S-206
A
lecture
S-205
work
A
classroom
B
para medical
S-204
locker
A
mech-S2
A
B
C
D
S-202
instructors

UPPER LEVEL


mech-S1
S-111
drafting
S-110
S-107
instructors
D
C
B
A
classroom
S-104
basic electronics
S-101
industrial electronics
S-112
fabrication
S-109
maintenance
S-108
A
S-106
S-105
B
nurse
A
C
communications/
computer
S-103
basic electronics
S-102

LOWER LEVEL

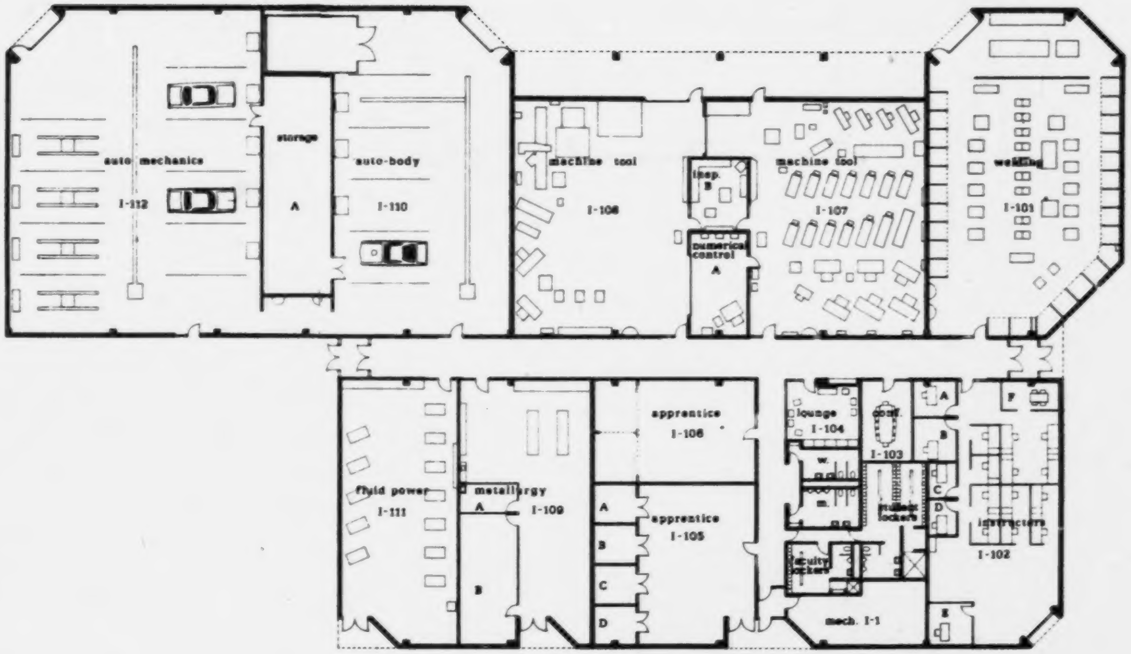
Industrial Building

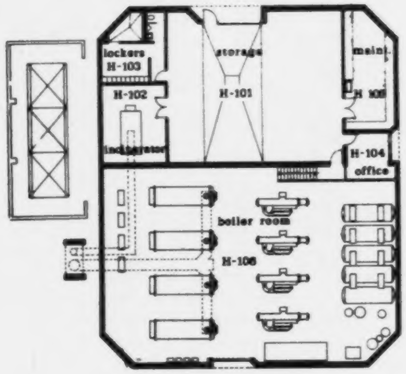
Welding, auto body repair, auto mechanics, metallurgy, fluid power, machine repair, mechanical maintenance.

All these vocations – as well as various building, service and industrial trades offered in the apprenticeship program – are mastered in the Industrial Building.

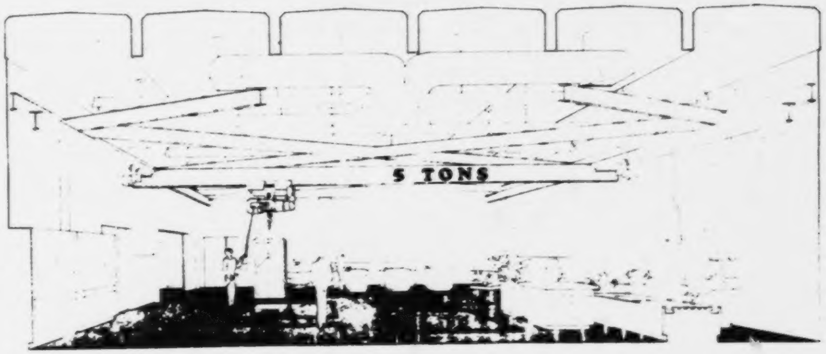
This 40,000 square-foot building houses a number of trade and industrial laboratories. Facilities under the industrial building's roof also include an instructional office complex, washroom and locker facilities for industrial students, and a small lounge area.

Some of the equipment in the various labs has been donated to Waukesha County Technical Institute by industries in the district.


auto mechanics
I-112
storage
A
auto-body
I-110
machine tool
I-108
insp.
B
numerical control
A
machine tool
I-107
welding
I-101
fluid power
I-111
metallurgy
A
I-109
B
apprentice
I-106
A
B
C
D
apprentice
I-105
lounge
I-104
conf.
I-103
w.
m.
student lockers
faculty lockers
mech. I-1
A
B
C
D
E
F
instructors
I-102


lockers
H-103
H-102
incinerator
storage
H-101
maint.
H-105
H-104
office
boiler room
H-106

HEATING PLANT



VIEW OF
MACHINE REPAIR SHOP

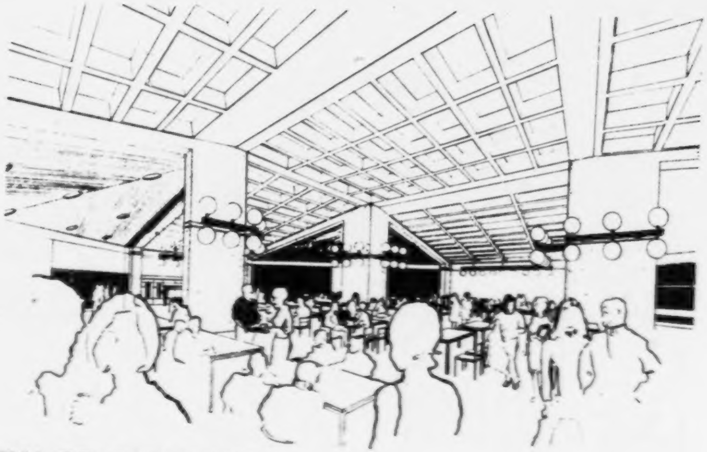
Community Center

The Community Center is devoted entirely to the students and their school-related activities and interests. Highlighted by a large lounge with a wood-burning fireplace, this building also gives students a place to spend leisure time.

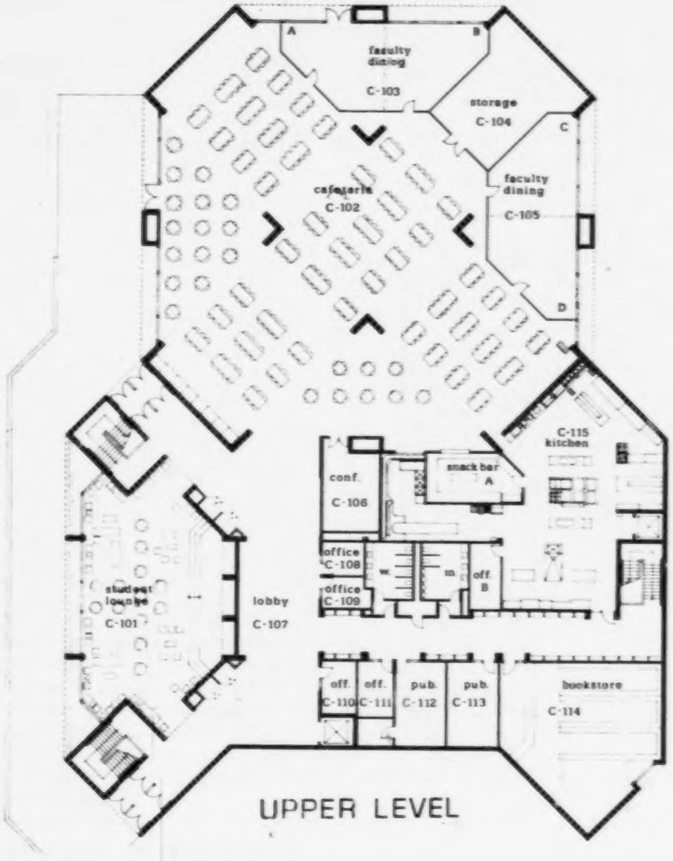
The bookstore and offices for Student Affairs, the student newspaper and yearbook are located here, as is the cafeteria, which has a seating capacity of 600 and can be divided into small areas for meetings or left open for such events as school dances.

The kitchen is planned for a dual purpose. In addition to providing food for the campus the kitchen is designed to train students for quantity food production to fill the demand for trained personnel needed in such areas as hospitals, nursing homes, industries and schools to name a few.

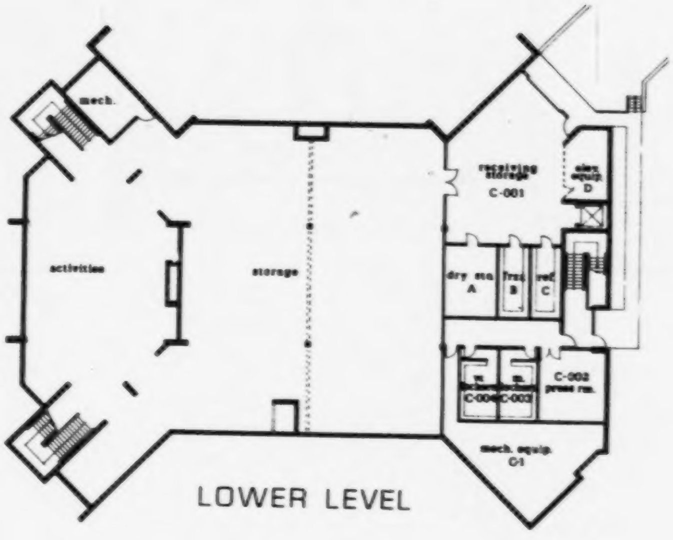
The lower level of the 45,000 square-foot Community Center, when completed, will have a game room housing such items as pool and ping-pong tables, pinball machines, shuffle boards and other things the students will use for relaxation in their spare time.



VIEW OF CAFETERIA


faculty dining
C-103
A
B
storage
C-104
C
faculty dining
C-105
D
cafeteria
C-102
C-115
kitchen
snack bar
A
conf.
C-106
office
C-108
office
C-109
w.
m.
off.
B
student lounge
C-101
lobby
C-107
off.
C-110
off.
C-111
pub.
C-112
pub.
C-113
bookstore
C-114

UPPER LEVEL


mech.
activities
storage
receiving storage
C-001
elev. equip.
D
dry sto.
A
frez.
B
ref.
C
w.
m.
C-004
C-003
C-002
press rm.
mech. equip.
C-1

LOWER LEVEL

CONSTRUCTION PROJECT ANALYSIS

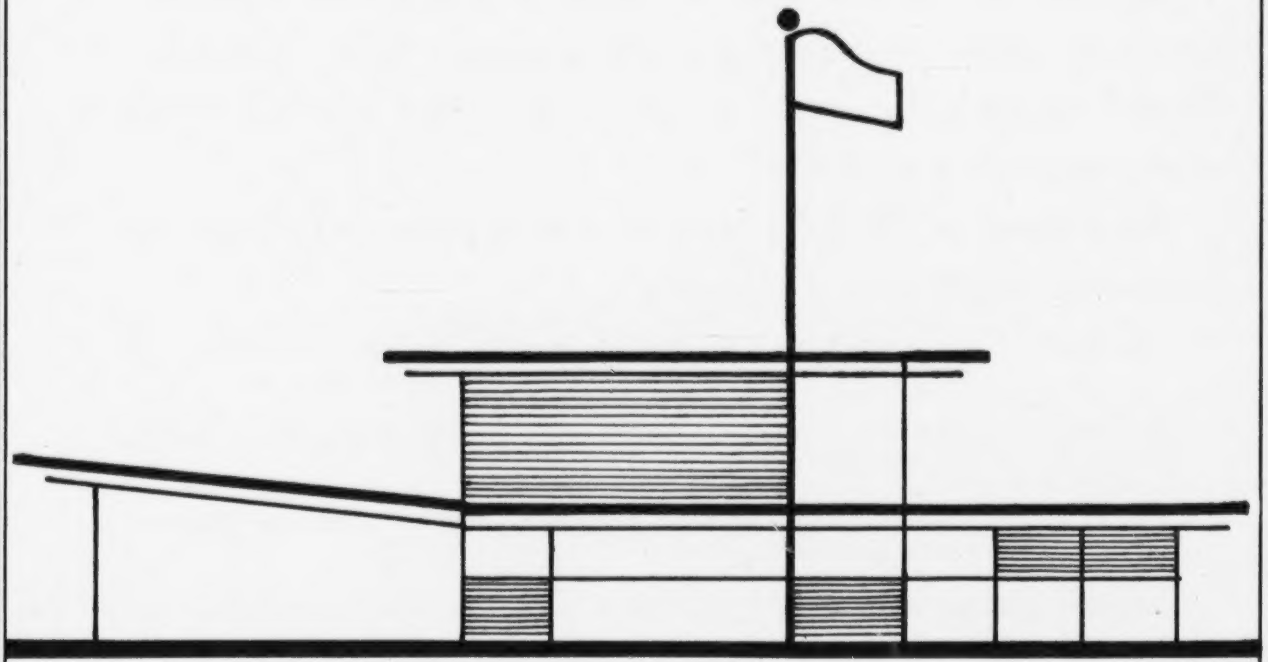
NAME OF SCHOOL Lakeshore Technical Institute DISTRICT # 11

LOCATION Cleveland, Wisconsin

AREA DIRECTOR Frederick J. Nierode

PROJECT NO. 72-11-45 DATE October 2, 1972

ARCHITECT Lakeshore Architects



Wisconsin Board of Vocational, Technical and Adult Education

Madison, Wisconsin

E. I. Lehrmann, Director

II

NARRATIVE ON PROPOSED FACILITY
(Establishment of Need)

Name of School Lakeshore Technical Institute District # 11

With the passage of Chapter 292, Laws of 1965, Vocational, Technical and Adult Education - District #11 had its beginning on July 1, 1967 when Manitowoc and Sheboygan County joined together and began operating as a district. On July 1, 1970 the final boundaries were complete with the addition of Random Lake and Cedar Grove school districts extending into Ozaukee County as part of District #11.

The Long Range Plan revealed that the Lakeshore Technical Institute Schools which are currently operating at two locations, Manitowoc and Sheboygan, are presently being utilized to near capacity. The projected enrollments indicate that 1,500 full-time students will be enrolled by 1970 and 2,000 by 1980 in these facilities.

In May of 1971 the local Board of Vocational, Technical and Adult Education retained the Lakeshore Architects to perform preliminary study. A bonding referendum was conducted for the proposed 4.5 million bond issue and approved by the electorate of the district.

The proposed new facility consists of three buildings and will have approximately 170,000 square feet of space.

Building A - Administrative will include Student Services, library, T.V. cafeteria, lounges, and lecture demonstration.

Building B - Trade and Industry will include laboratories, classrooms and apprenticeships.

Building C - Business, Health, Home Economics, laboratories and general education classrooms.

Adequate parking will be made available so that students commuting will be able to park their cars in the vicinity of this educational complex.

By providing this central facility, District #11 will be able to add efficiency to the total comprehensive programs.

III

PROJECT SCHEDULE

Name of School Lakeshore Technical Institute District # 11

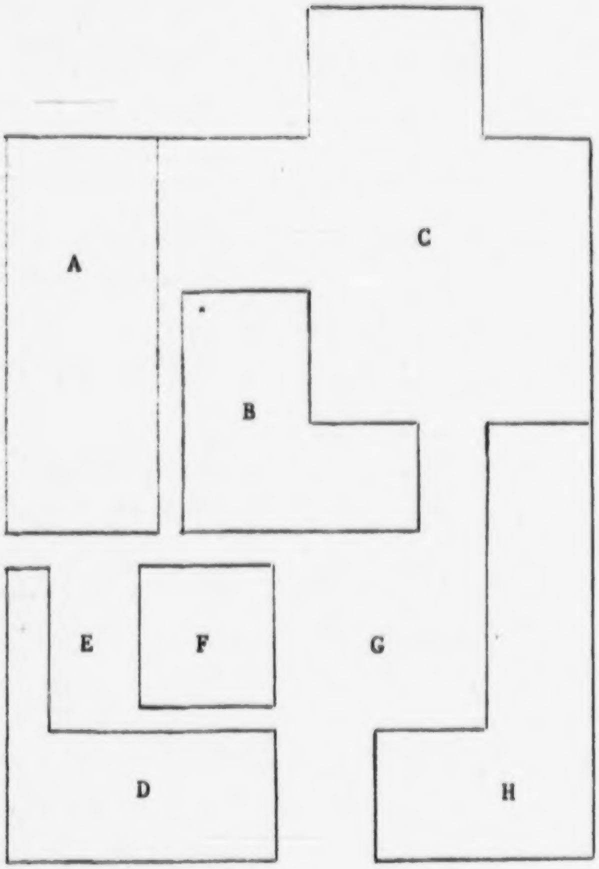
		Tentative Date	Approval Date
1.	Preliminary need studies		January, 1970
2.	Area board action to proceed		November, 1970
3.	Development of long-range plan		
4.	Area board approval		November, 1970
5.	State office approval		
6.	The development of educational specifications		February, 1971
7.	Area board approval		April, 1971
8.	State office approval		
9.	Selection and commissioning architect		May, 1971
10.	Site study and site selection		February, 1972
11.	Development of schematic plans with state and area approval		October, 1971
12.	Development of construction plans and specifications with state and area approval		May, 1972
13.	Establishment of bidding date		July 13, 1972
14.	Award of contracts	July, 1972	August 9, 1972
15.	Start construction	August, 1972	

IV.

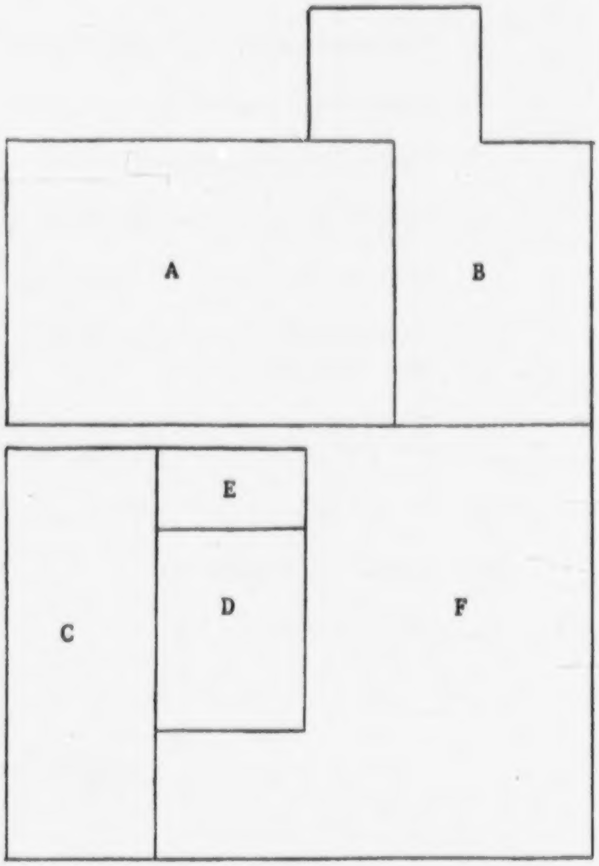
SPACE AND CONFIGURATION DIAGRAM OF ASSIGNABLE SPACES

Name of School Lakeshore Technical Institute District # 11

Building A - Administrative



Lower Floor



Upper Floor

SCHEDULE OF ASSIGNABLE SPACES

Name of School **Lakeshore Technical Institute** District # 11

Space	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
Lower Floor				
A.				
1. Classrooms	0			
2. Laboratories	0			
3. Shops	0			
4. Offices				
a. Offices	5	1@ 110	586	
		1@ 88		
		1@ 136		
		1@ 140		
		1@ 112		
5. Other				
a. T.V. Studio	1	961	961	
6. Non-Instructional				
a. Preview	1	88	88	
b. Dark Room	1	88	88	
c. Copy-Center	1	962	962	
d. Recording	1	72	72	
e. Control	1	234	234	
f. Corridor	2	140	280	
g. Hall	1	175	175	
B.				
1. Classrooms				
a. General Studies	1	775	775	30
2. Laboratories				
a. Reading	1	638	638	30
3. Shops	0			
4. Offices	0			
5. Other				
6. Non-Instructional				
a. Toilet	2	176	352	
b. Elevator	1	48	48	
c. Janitor	1	30	30	
d. Equipment	1	42	42	
e. Corridor	1	354	354	
f. Corridor	1	192	192	

SCHEDULE OF ASSIGNABLE SPACES

Name of School Lakeshore Technical Institute District # 11

Space	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
Lower Floor				
C.				
1. Classrooms	0			
2. Laboratories	0			
3. Shops	0			
4. Offices				
a. Library	2	90	180	
5. Other				
a. Library	1	6757	6757	150
6. Non-Instructional	0			
D.				
1. Classrooms	0			
2. Laboratories	0			
3. Shops	0			
4. Offices				
a. Director	1	288	288	
b. Board Room	1	480	480	
c. Secretary	1	225	225	
d. Administrative	3	144	432	
5. Other				
a. Data Processing	1	1184	1184	
6. Non-Instructional	0			
a. Toilet			25	
E.				
1. Classrooms	0			
2. Laboratories	0			
3. Shops	0			
4. Offices	0			
5. Other	0			
6. Non-Instructional				
a. Word Processing	1	972	972	

SCHEDULE OF ASSIGNABLE SPACES

Name of School Lakeshore Technical Institute District # 11

Space	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
Lower Floor				
F.				
1. Classrooms	0			
2. Laboratories	0			
3. Shops	0			
4. Offices				
a. Assistant Director	1	150	150	
b. Business Office	1	1296	1296	
5. Other				
6. Non-Instructional				
a. Vault	1	140	140	
G.				
1. Classrooms	0			
2. Laboratories	0			
3. Shops	0			
4. Offices	0			
5. Other	0			
6. Non-Instructional				
a. Lobby	1	2242	2242	
b. Entry	1	322	322	
c. Vestibule	1	198	198	
H.				
1. Classrooms	0			
2. Laboratories	0			
3. Shops	0			
4. Offices				
a. Counselors	4	3@ 96 1@ 108	204	
b. Financial Aid	1	108	108	
c. Placement	1	81	81	
d. Career Information	1	221	221	
e. Clerks	1	971	971	
5. Other				
6. Non-Instructional				
a. Conference	2	117	234	
b. Health	1	117	117	
c. Toilet	1	48	48	

SCHEDULE OF ASSIGNABLE SPACES

Name of School Lakeshore Technical Institute District # 11

Space	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
Lower Floor				
d. Storage	1	88	88	
e. Janitor	1	48	48	
f. Electrical Dist.	1	288	288	

TOTAL

I.	NET ASSIGNABLE AREA	15,537
II.	NON-ASSIGNABLE AREA	7,639
III.	GROSS AREA	23,176
IV.	TOTAL STUDENT STATIONS	210
V.	NO. OF STUDENTS TO BE SERVED	

Full-time__________
Part-time__________

SCHEDULE OF ASSIGNABLE SPACES

Name of School Lakeshore Technical Institute District # 11

Space	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
Upper Floor				
A.				
1. Classrooms				
a. Classroom	1	961	961	30
b. Lecture Demonst.	1	2961	2961	140
2. Laboratories	0			
3. Shops	0			
4. Offices	0			
5. Other	0			
6. Non-Instructional				
a. Projection Room	1	782	782	
b. Service	1	170	170	
c. Mechanical	1	992	992	
d. Corridor	1	504	504	
e. Hall	2	91	182	
B.				
1. Classrooms	0			
2. Laboratories	0			
3. Shops	0			
4. Offices				
a. Clubs	3	1@ 99		
		1@ 108		
		1@ 162	369	
5. Other	0			
6. Non-Instructional				
a. Lounge	1	4026	4026	
C.				
1. Classrooms	0			
2. Laboratories	0			
3. Shops	0			
4. Offices	0			
5. Other	0			
6. Non-Instructional				
a. Storage & Receiv.	1	2776	2776	
b. Trash	1	192	192	

SCHEDULE OF ASSIGNABLE SPACES

Name of School Lakeshore Technical Institute District # 11

Space	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
Upper Floor				
D.				
1. Classrooms	0			
2. Laboratories	0			
3. Shops	0			
4. Offices	0			
5. Other				
6. Non-Instructional				
a. Bookstore	1	1360	1360	
E.				
1. Classrooms	0			
2. Laboratories	0			
3. Shops	0			
4. Offices	0			
5. Other	0			
6. Non-Instructional				
a. Toilet	3	2@ 263	574	
		1@ 48		
b. Elevator	1	48	48	
c. Mechanical	1	48	48	
F.				
1. Classrooms	0			
2. Laboratories	0			
3. Shops	0			
4. Offices	0			
5. Other				
6. Non-Instructional				
a. Cafeteria	1	7128	7128	
b. Student Activities	1	324	324	
c. Storage	1	140	140	
d. Penthouse		3072	3072	

TOTAL

I. NET ASSIGNABLE AREA	4,291
II. NON-ASSIGNABLE AREA	22,318
III. GROSS AREA	26,609
IV. TOTAL STUDENT STATIONS	170

V. NO. OF STUDENTS TO BE SERVED

Full-time ________

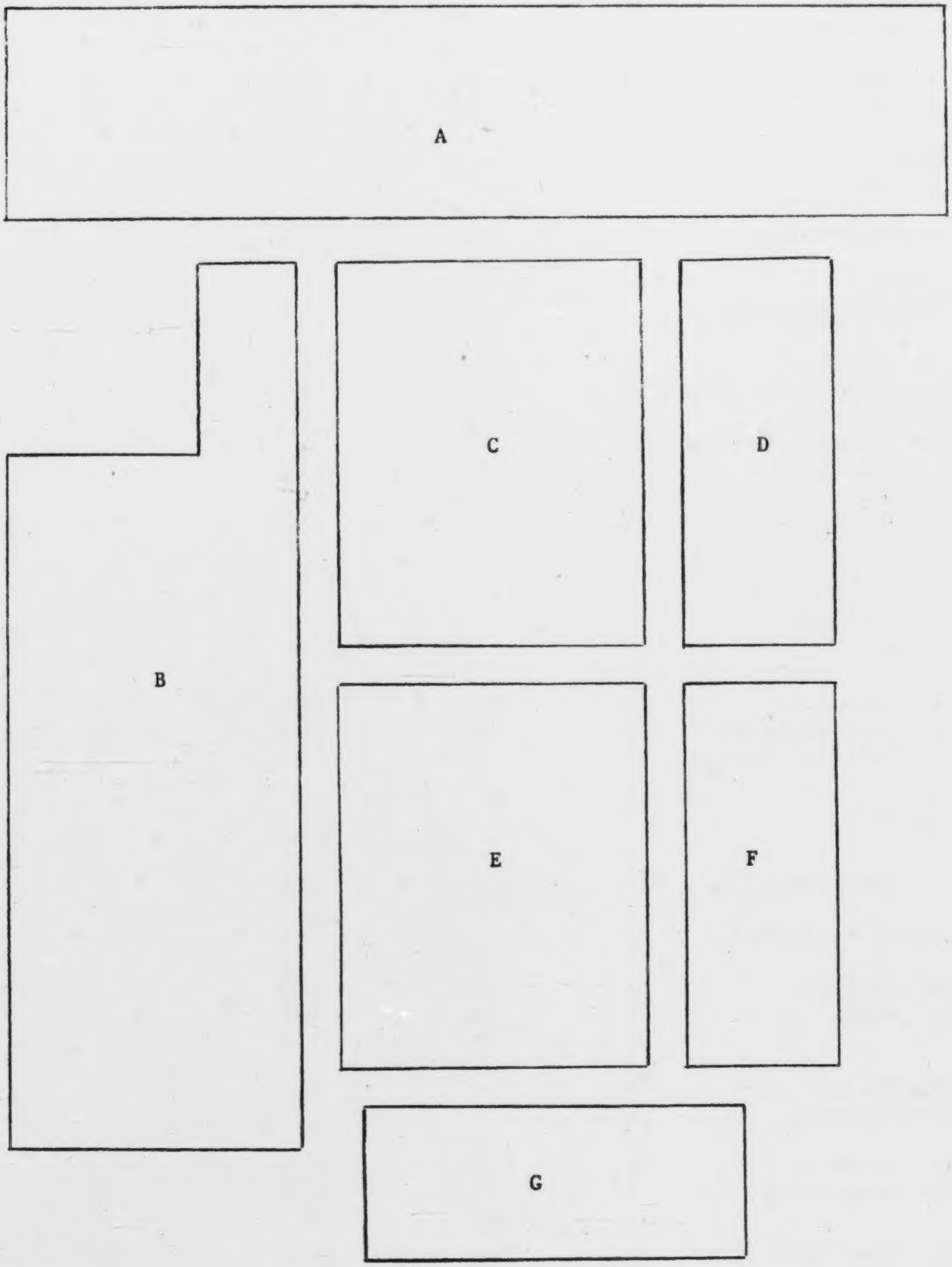
Part-time ________

IV

SPACE AND CONFIGURATION DIAGRAM OF ASSIGNABLE SPACES

Name of School Lakeshore Technical Institute District # 11

Building B - Trade and Industry



SCHEDULE OF ASSIGNABLE SPACES

Name of School Lakeshore Technical Institute District # 11

Space	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
A.				
1. Classroom	0			
2. Laboratories				
a. Machine Shop	1	3400	3400	18
b. Welding	1	2700	2700	18
3. Shops	0			
4. Offices				
a. Maintenance	1	66	66	
5. Other				
6. Non-Instructional				
a. Boiler	1	3715	3715	
b. Maintenance Repair	1	970	970	
c. Generator	1	299	299	
d. Electric Service	1	650	650	
e. Incinerator	1	260	260	
f. Entry	1	72	72	
g. Corridor	1	747	747	
B.				
1. Classroom	0			
2. Laboratories				
3. Shops				
a. Auto Body	1	5812	5812	18
b. Auto Mechanics	1	5838	5838	18
c. Material Testing	1	740	740	12
4. Offices	0			
5. Other				
a. Study Carrels	2	240	480	
6. Non-Instructional	0			
a. Corridor	2	900	1800	
b. Entry	1	112	112	
C.				
1. Classrooms	0			
2. Laboratories				
a. Plastics	1	1410	1410	18
b. Electronics	2	1@ 1216	2673	36
		1@ 1457		
c. Electronic Servic.	1	1952	1952	20
d. Power-Electric	1	1368	1368	18

SCHEDULE OF ASSIGNABLE SPACES

Name of School Lakeshore Technical Institute District # 11

Space	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
3. Shops	0			
4. Offices	0			
5. Other	0			
6. Non-Instructional				
a. Storage	1	418	418	
b. Corridor	1	900	900	
D.				
1. Classrooms	0			
2. Laboratories				
a. Heating	1	1400	1400	18
b. Layout	1	1080	1080	20
3. Shops				
a. Sheet Metal	1	840	840	12
4. Office	0			
5. Other	0			
a. Toilet	2	125	250	
b. Custodial	1	44	44	
c. Corridor	1	882	882	
E.				
1. Classrooms	2	878	1756	60
2. Laboratories	0			
3. Shops				
a. Printing	1	3372	3372	18
4. Offices				
a. Conference	2	126	252	
b. Coordinators-Sup.	4	96	384	
c. Clerk	2	99	198	
d. Instructors	1	1656	1656	
5. Other				
6. Non-Instructional				
a. Study Carrels	1	90	90	
b. Corridor	1	810	810	
c. Corridor	1	140	140	
F.				
1. Classrooms				

SCHEDULE OF ASSIGNABLE SPACES

Name of School Lakeshore Technical Institute District # 11

Space	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
F.				
a. Apprenticeship	2	1040	2080	40
2. Laboratories				
a. Apprenticeship	1	1840	1840	20
3. Shops	0			
4. Offices	0			
5. Other	0			
6. Non-Instructional	0			
a. Corridor	1	891	891	
b. Entry	1	232	232	
G.				
1. Classrooms	0			
2. Laboratories				
a. Drafting	3	1@ 1080		
		1@ 1241		
		1@ 1722	4043	72
b. Duplicating	1	322	322	4
3. Shops	0			
4. Offices	0			
5. Other	0			
6. Non-Instructional	0			
a. Corridor	2	75	150	
b. Mezzanine		5114	5114	
TOTAL				

I. NET ASSIGNABLE AREA	45,642
II. NON-ASSIGNABLE	18,546
III. GROSS AREA	64,188
IV. TOTAL STUDENT STATIONS	380
V. NO. OF STUDENTS TO BE SERVED	

Full-Time__________

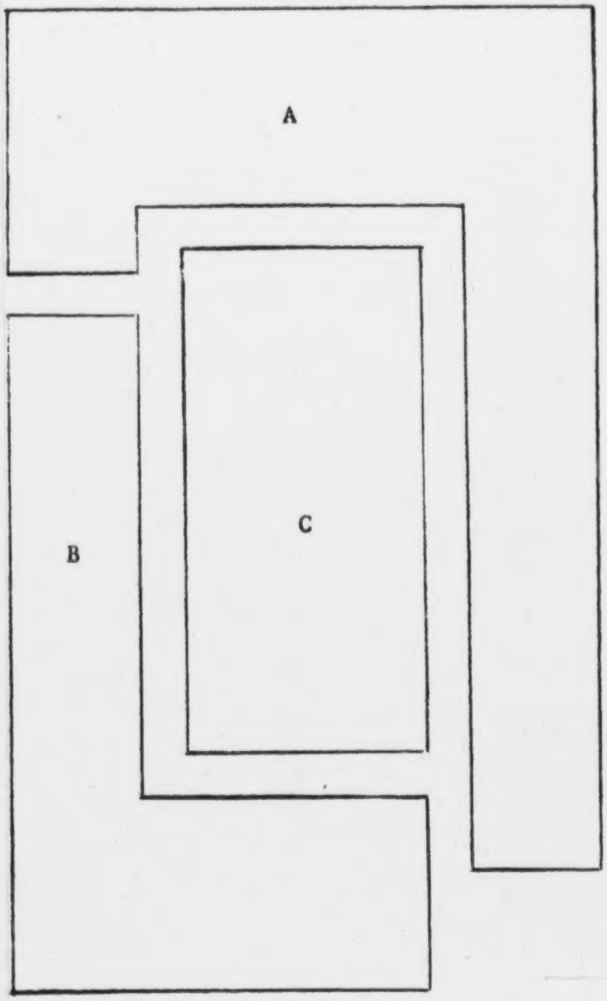
Part-Time__________

IV

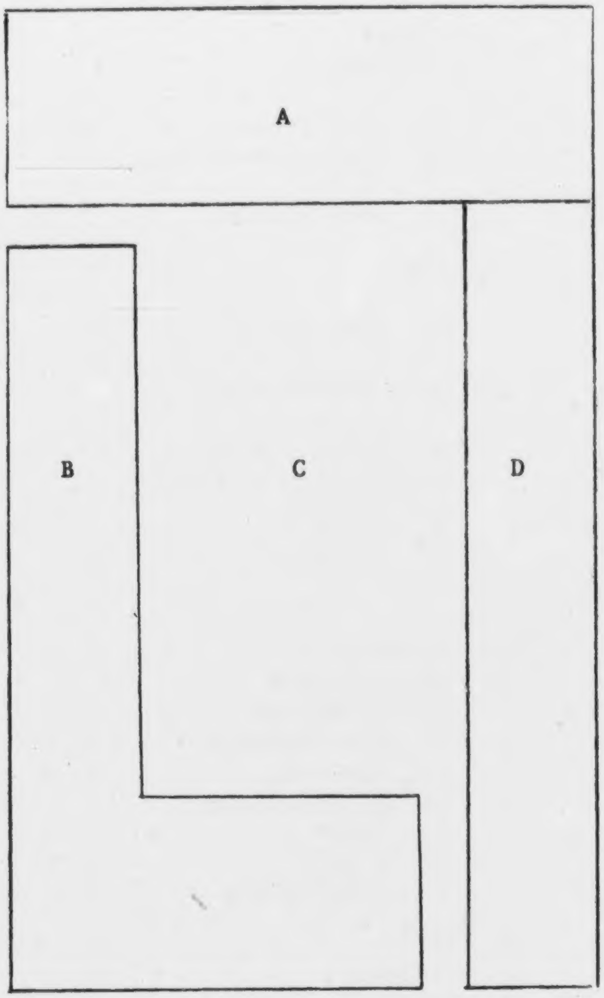
SPACE AND CONFIGURATION DIAGRAM OF ASSIGNABLE SPACES

Name of School Lakeshore Technical Institute District # 11

Building C - Business, Health, Home Ec, and General



Lower Floor



Upper Floor

SCHEDULE OF ASSIGNABLE SPACES

Name of School Lakeshore Technical Institute District # 11

Space	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
Lower Floor				
A.				
1. Classroom	0			
2. Laboratories				
a. Open-Business	1	3884	3884	120
b. Simulated Office	1	1380	1380	25
c. Marketing	1	1271	1271	20
d. Reupholstery	1	1396	1396	20
3. Shops				
4. Offices				
a. Conference	2	114	228	
b. Coordinators Supv.	2	108	216	
c. Clerk	1	90	90	
d. Instructors	1	1680	1680	
5. Other				
a. Display	2	52	104	
6. Non-Instructional				
a. Work & Storage	1	550	550	
b. Electrical Equip.	1	494	494	
c. Storage	1	84	84	
d. Entry	1	486	486	
e. Corridor	1	477	477	
B.				
1. Classrooms	1	832	832	30
2. Laboratories				
a. Child Care	1	1516	1516	20
b. Home Ec Multi.	1	1216	1216	20
c. Clothing	1	1369	1369	20
d. Food/Clothing	1	1440	1440	20
e. Charm	1	324	324	15
f. Barber	1	128	128	
g. Cosmotology	1	128	128	
3. Shops	0			
4. Offices	0			
5. Other	0			
6. Non-Instructional				
a. Toilet	2	227	454	
b. Janitor	2	66	132	
c. Laundry	1	216	216	
d. Corridor	1	477	477	

SCHEDULES OF ASSIGNABLE SPACES

Name of School Lakeshore Technical Institute District # 11

Space	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
Lower Floor				
C.				
1. Classrooms	7	5@ 728		
		2@ 650	4940	210
2. Laboratories	0			
3. Shops	0			
4. Offices				
a. Conference	1	120	120	
b. Coordinator-Supv.	2	80	160	
c. Instructor	1	240	240	
d. Clerk	1	180	180	
5. Other	0			
6. Non-Instructional	0			
a. Corridor	1	1188	1188	
b. Corridor	1	1485	1485	

TOTAL

I. NET ASSIGNABLE AREA	22,842
II. NON-ASSIGNABLE AREA	6,043
III. GROSS AREA	28,885
IV. TOTAL STUDENT STATIONS	520

V. NO. OF STUDENTS TO BE SERVED

Full-Time__________

Part-Time__________

SCHEDULE OF ASSIGNABLE SPACES

Name of School Lakeshore Technical Institute District # 11

Space	No. of Rooms		Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
Upper Floor					
A.					
1. Classrooms	0				
2. Laboratories	0				
a. Chemistry	1		945	945	24
b. Science	1		984	984	24
3. Shops	0				
4. Offices	0				
a. Conferences	4	2@	168	336	
		2@	96	192	
b. Coordinator-Supv.	5		96	480	
c. Clerk	2		90	180	
d. Instructors	2	1@	1126		
		1@	1395	2521	
5. Other	0				
6. Non-Instructional	0				
a. Storage	1		170	170	
b. Work Room	1		190	190	
B.					
1. Classrooms	0				
2. Laboratories	0				
a. Biology	1		800	800	24
b. Micro-biology	1		960	960	18
c. Anatomy	1		1088	1088	26
d. Practical Nurse	1		1886	1886	32
e. Medical Asst.	1		1104	1104	18
3. Shops	0				
4. Offices	0				
5. Other	0				
6. Non-Instructional	0				
a. Change Areas	2	1@	560	948	
		1@	388		
b. Toilets	2		226	452	
c. Janitors	1		25	25	
d. Mechanical	2		86	172	
e. Corridor	1		297	297	
f. Hall	1		36	36	

SCHEDULE OF ASSIGNABLE SPACES

Name of School Lakeshore Technical Institute District # 11

Space	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
Upper Level				
C.				
1. Classrooms				
a. Open	1	9504	9504	240
2. Laboratories	0			
3. Shops	0			
4. Offices	0			
5. Other	0			
6. Non-Instructional	0			
a. Entry	1	252	252	
D.				
1. Classrooms				
a. Dental	1	800	800	28
b. Optometric	1	896	896	24
2. Laboratories				
a. Dental	1	960	960	18
b. Operatory	2	192	384	
c. Optometric	1	832	832	18
d. Exam Booth	6	96	576	
e. Styling	1	280	280	
3. Shops	0			
4. Offices				
5. Other				
a. Reception	1	360	360	
b. Dark Room	1	240	240	
c. X-ray	1	144	144	
6. Non-Instructional				
a. Mechanical	1	48	48	
b. Storage	1	96	96	
c. Hall	1	228	228	
d. Penthouse		4032	4032	

SCHEDULE OF ASSIGNABLE SPACES

Name of School Lakeshore Technical Institute District # 11

Space	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
I. NET ASSIGNABLE		26,452		
II. NON-ASSIGNABLE		6,946		
III. GROSS AREA		33,398		
IV. TOTAL STUDENT STATIONS		494		
V. NO. OF STUDENTS TO BE SERVED				

Full-Time __________

Part-Time__________

V

SCHEDULE OF ASSIGNABLE SPACES

Name of School________________________________ District #_____

Space	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
A. Classrooms				
1.__________				
2.__________				
3.__________				
4.__________				
B. Laboratories - Function				
1.__________				
2.__________				
3.__________				
4.__________				
C. Shops - Function				
1.__________				
2.__________				
3.__________				
4.__________				
5.__________				
6.__________				
D. Offices				
1.__________				
2.__________				
3.__________				
E. Other Instructional - Function				
1.__________				
2.__________				
F. Non-Instructional Space				
1. Heat, power & mech.				
2. Custodial				
3. Toilets				
4. Shower & locker				
5. Corridors				
6.__________				

TOTAL

I. NET ASSIGNABLE AREA 114,764

II. NON-ASSIGNABLE AREA 61,492 + 8,678 stairs & Penthouse = 70,170

III. GROSS AREA 184,934

IV. TOTAL STUDENT STATIONS 1,774

V. NO. OF STUDENTS TO BE SERVED ____________

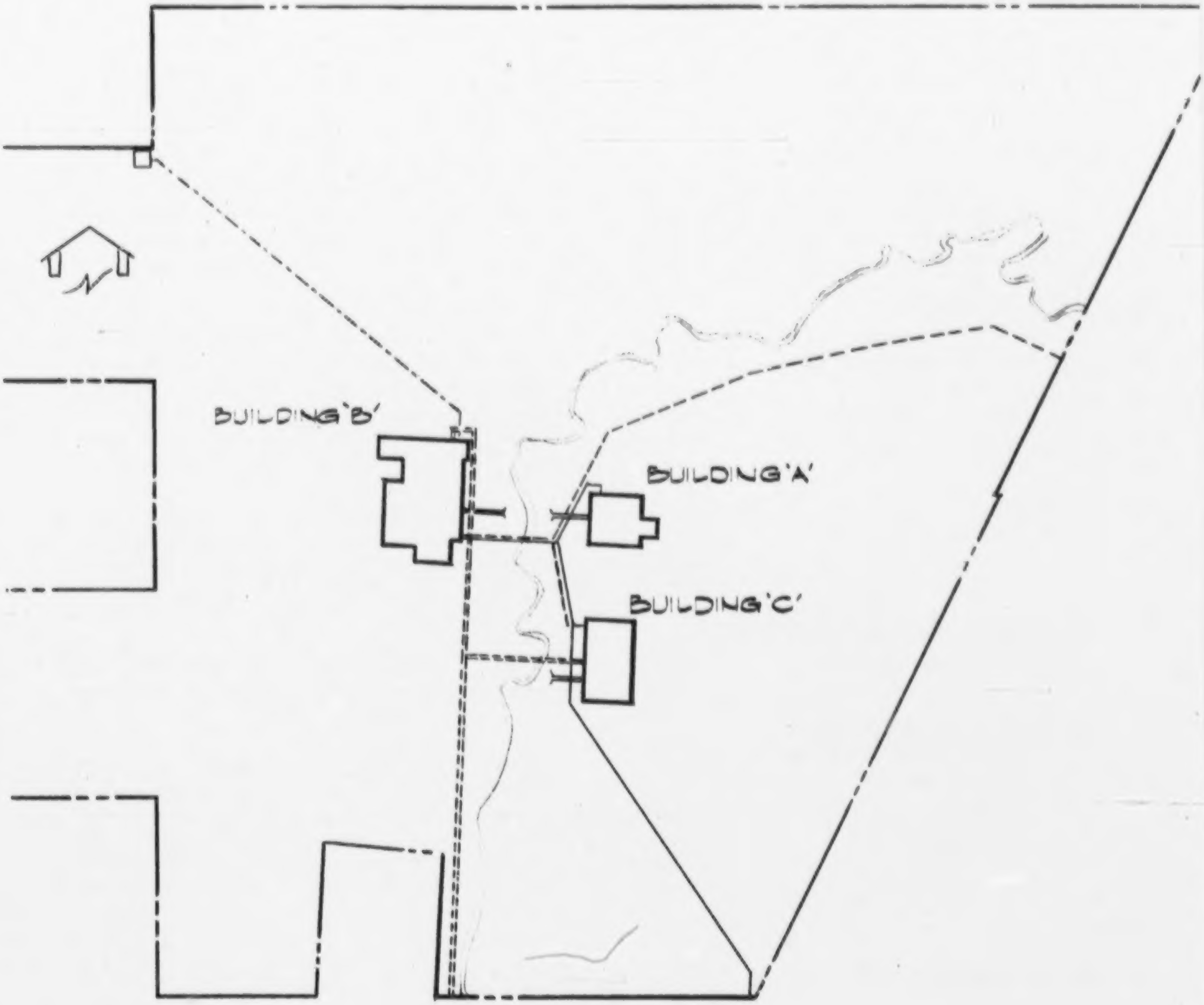
Full-time__________
Part-time__________

VI

SITE PLAN

~~Scale 1" = [illegible]00 ft.~~
Scale 1" = 400 ft.

Name of School____ District #__________


BUILDING 'B'
BUILDING 'A'
BUILDING 'C'

UTILITY CODE

W ———————— Water Service
San ---------- Sanitary Sewer
St ▬▬▬▬▬▬ Storm Sewer
G ========== Gas Service
E .-.-.-.-.-. Electric & Telephone Service

VII

PROJECT BUDGET

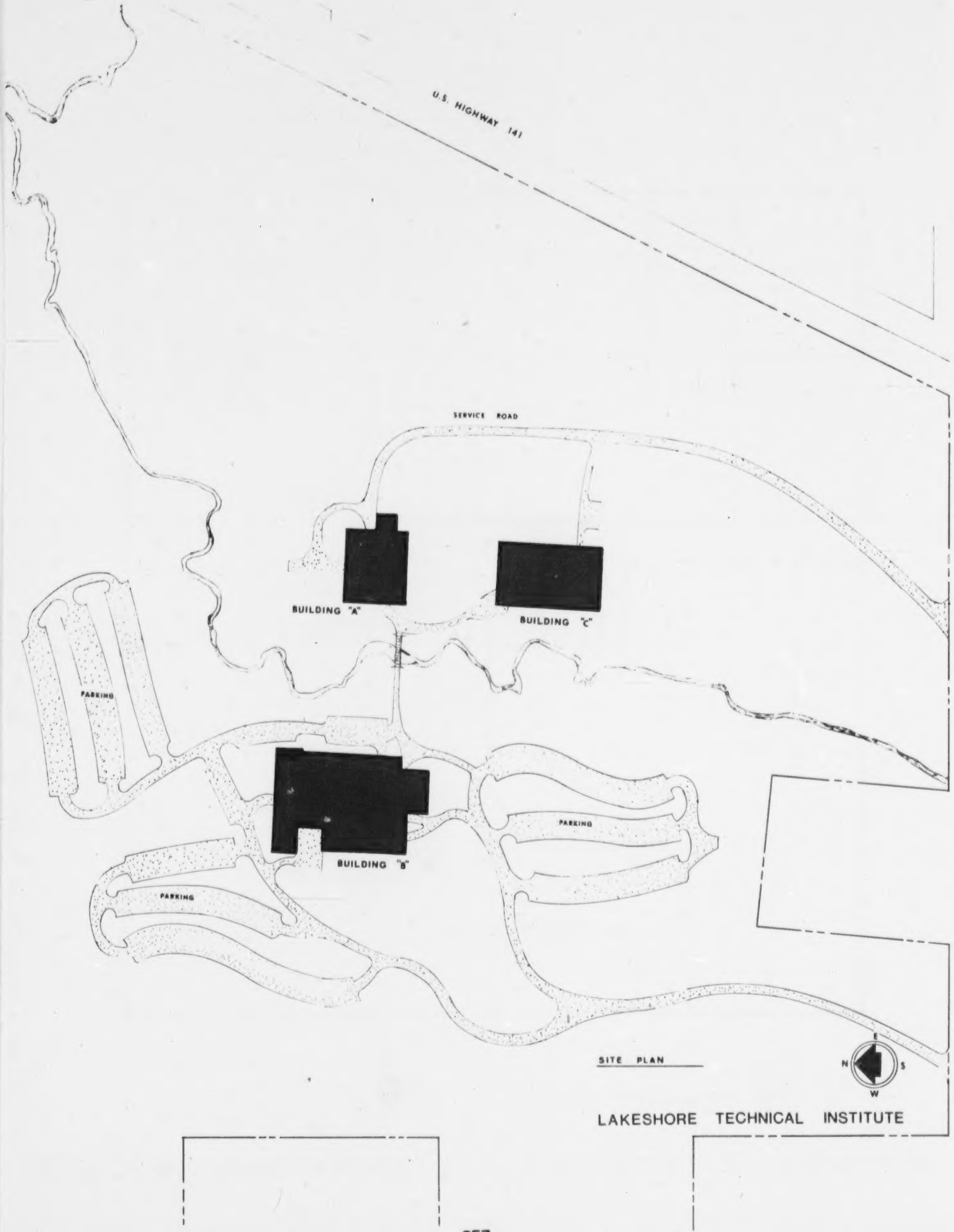
Name of School Lakeshore Technical Institute District # 11

Net Assignable Area 114,764 Non-Assignable 70,170 Gross Area 184,934

% in Non-Assignable Area ______

		Budget Estimate	Cost Per Sq. Ft.	Contract Award
I.	Construction			
	A. General construction	1,913,400		2,142,282
	B. Plumbing	351,000		306,758
	C. Heating & ventilating	1,000,000		987,300
	D. Air conditioning			
	E. Electrical	573,000		815,985
	F. Elevator	38,000		24,945
	G. Fixed equipment			
	H. Other Walls	138,500		169,454
	I. Flooring	117,000		87,120
	J.			
	TOTAL	4,130,900		4,533,844
II.	Site Development	$ 529,970		$
III.	Architect Fee 6 %	$ 291,652		$
IV.	Clerk of the Works	$		$
V.	Movable Equipment ___ %	$ 500,000		$
VI.	Construction Contingency	$		$
VII.	Construction Cost Increase ___ %	$		$
VIII.	Land Purchase Cost per acre ___ X ___	$		$ 73,390
IX.	Utility Extensions			
	1. Sewer	$ 30,000		$
	2. Electrical	$		$
	3. Streets, etc.	$		$
X.	Demolition	$		$
XI.	Total Project Cost	$		$

LAKESHORE ARCHITECTS
A JOINT VENTURE
SHEBOYGAN WISCONSIN


U.S. HIGHWAY 141
SERVICE ROAD
BUILDING "A"
BUILDING "C"
PARKING
PARKING
BUILDING "B"
PARKING
SITE PLAN
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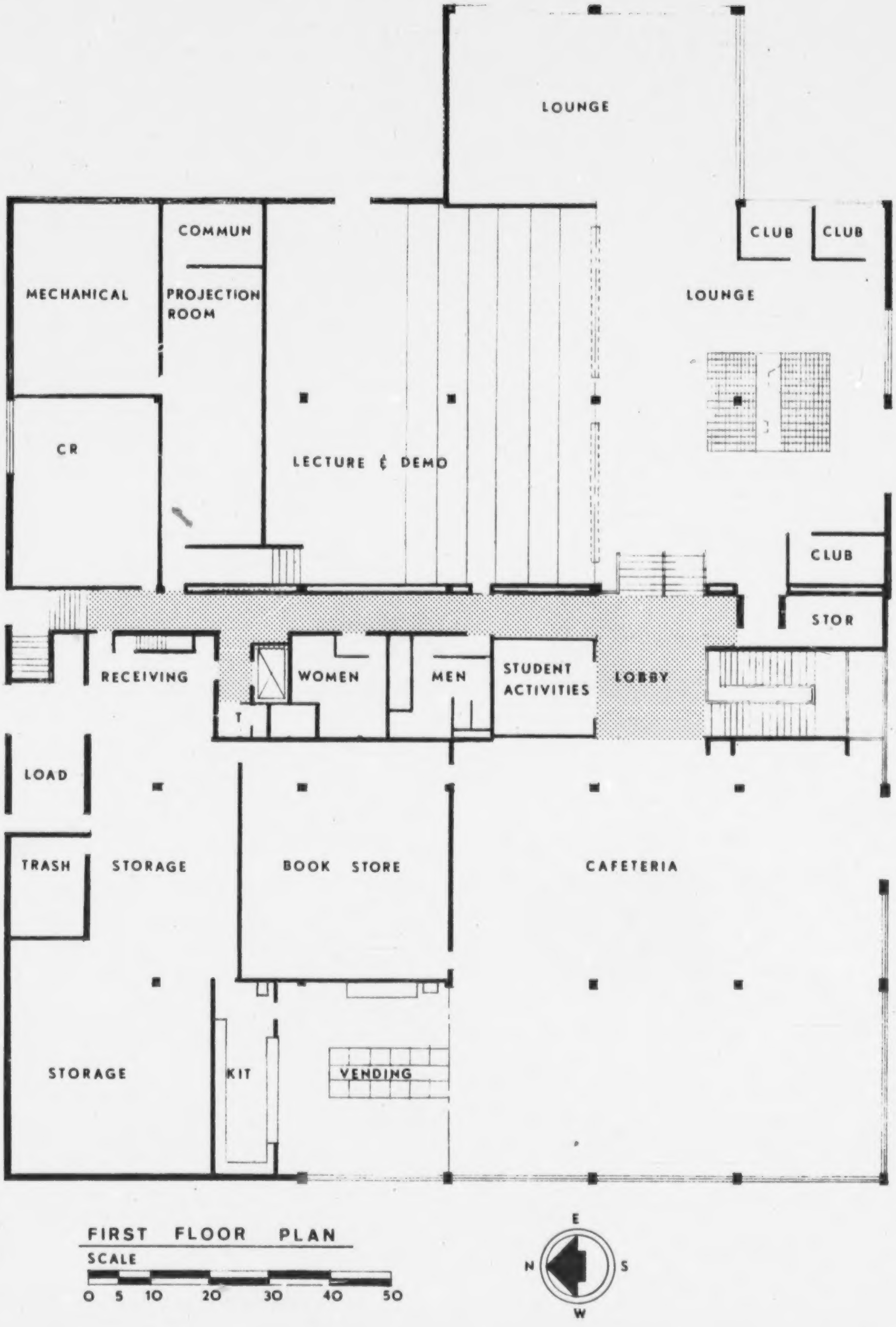
S
W
LAKESHORE TECHNICAL INSTITUTE


LOUNGE
COMMUN
MECHANICAL
PROJECTION ROOM
CLUB
CLUB
LOUNGE
CR
LECTURE & DEMO
CLUB
STOR
RECEIVING
WOMEN
MEN
STUDENT ACTIVITIES
LOBBY
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LOAD
TRASH
STORAGE
BOOK STORE
CAFETERIA
STORAGE
KIT
VENDING
FIRST FLOOR PLAN
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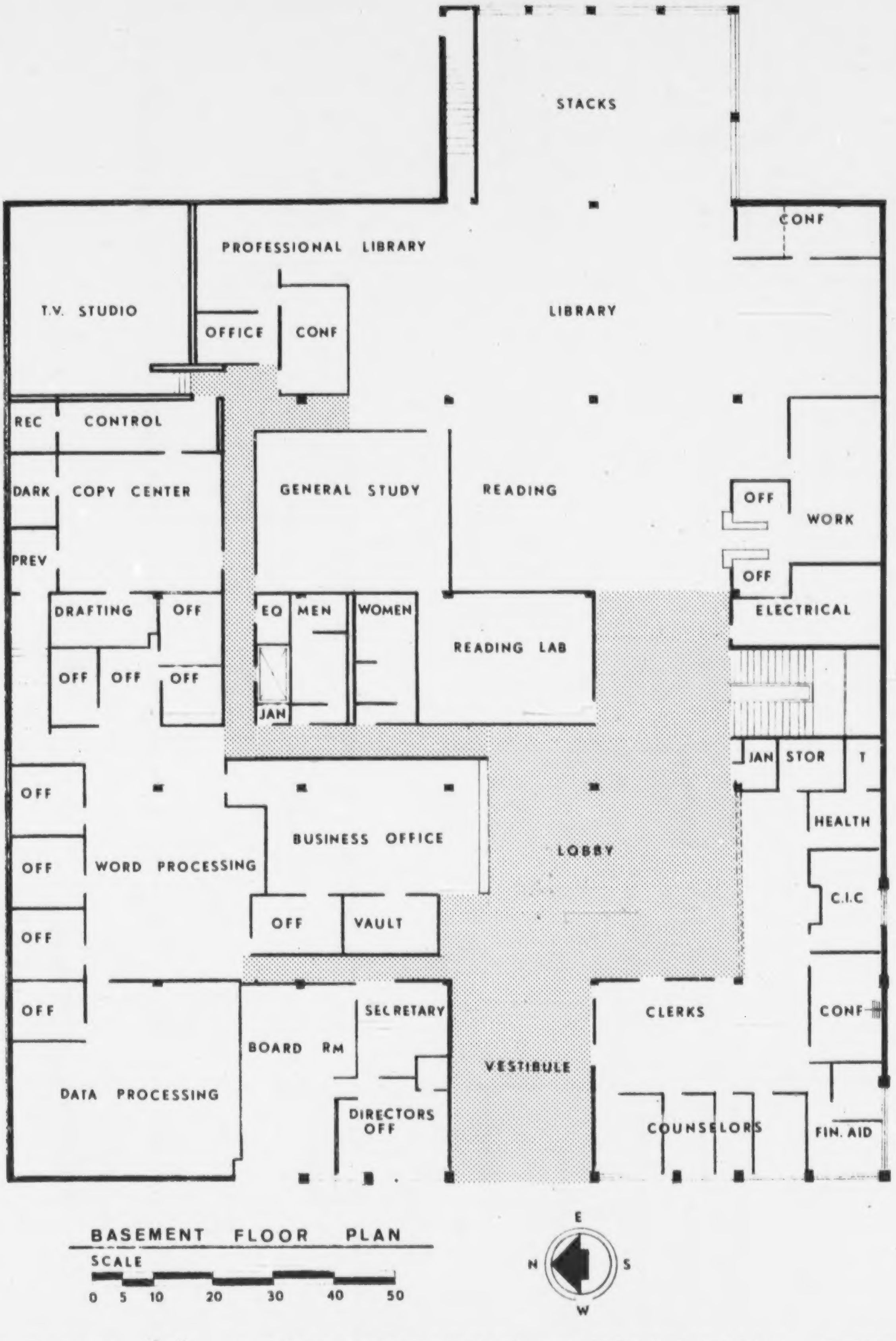
BUILDING "A" ADMINISTRATIVE-EDUCATIONAL RESOURCE


STACKS
PROFESSIONAL LIBRARY
LIBRARY
CONF
T.V. STUDIO
OFFICE
CONF
REC
CONTROL
DARK
COPY CENTER
PREV
GENERAL STUDY
READING
OFF
WORK
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ELECTRICAL
DRAFTING
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MEN
WOMEN
JAN
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HEALTH
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WORD PROCESSING
BUSINESS OFFICE
LOBBY
C.I.C
OFF
VAULT
CLERKS
CONF
SECRETARY
BOARD RM
VESTIBULE
DATA PROCESSING
DIRECTORS OFF
COUNSELORS
FIN. AID
BASEMENT FLOOR PLAN
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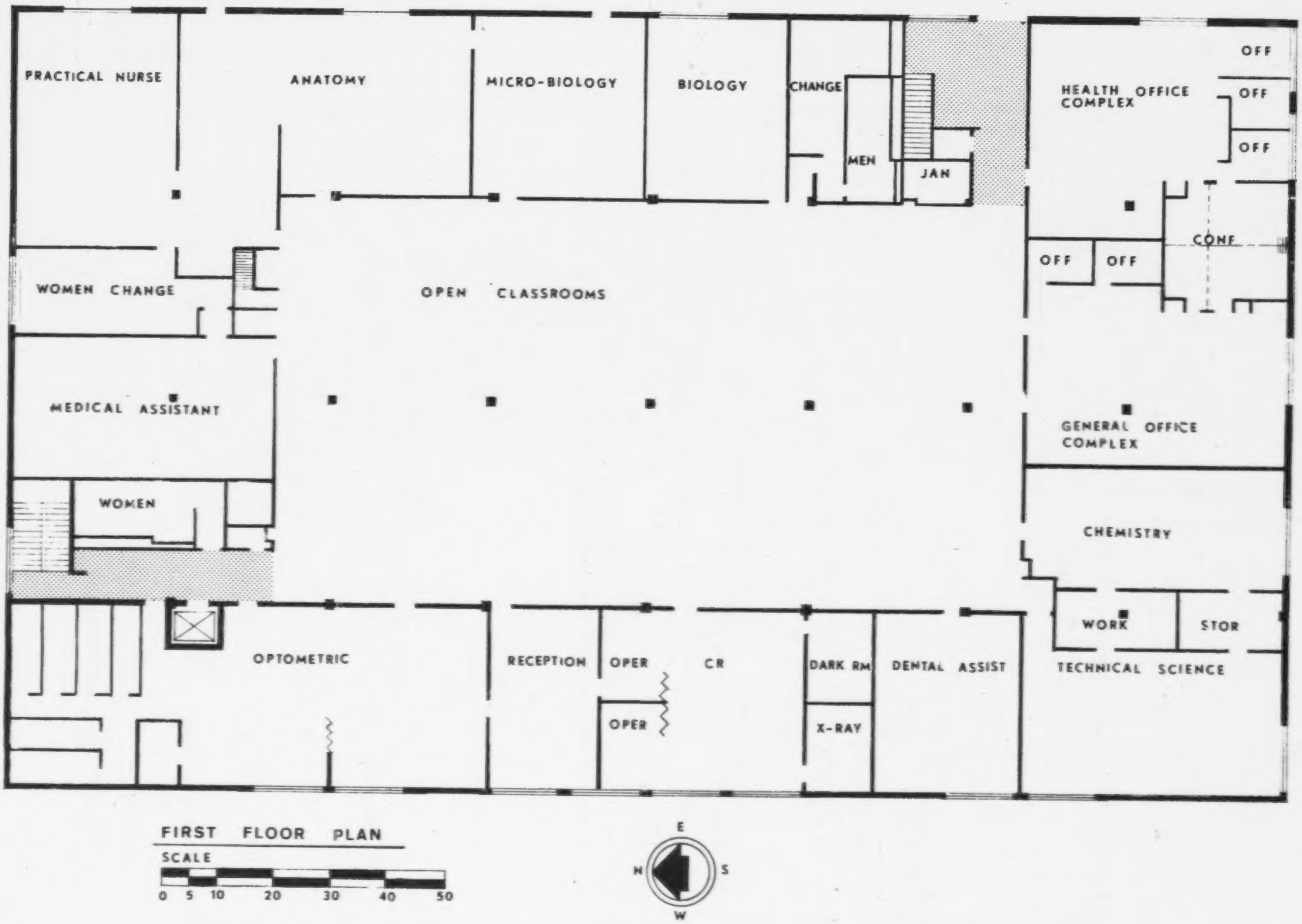
BUILDING "A" ADMINISTRATIVE-EDUCATIONAL RESOURCE


PRACTICAL NURSE
ANATOMY
MICRO-BIOLOGY
BIOLOGY
CHANGE
MEN
JAN
HEALTH OFFICE COMPLEX
OFF
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OFF
WOMEN CHANGE
OPEN CLASSROOMS
MEDICAL ASSISTANT
GENERAL OFFICE COMPLEX
WOMEN
CHEMISTRY
WORK
STOR
OPTOMETRIC
RECEPTION
OPER
CR
OPER
DARK RM
X-RAY
DENTAL ASSIST
TECHNICAL SCIENCE
FIRST FLOOR PLAN
SCALE
0 5 10 20 30 40 50
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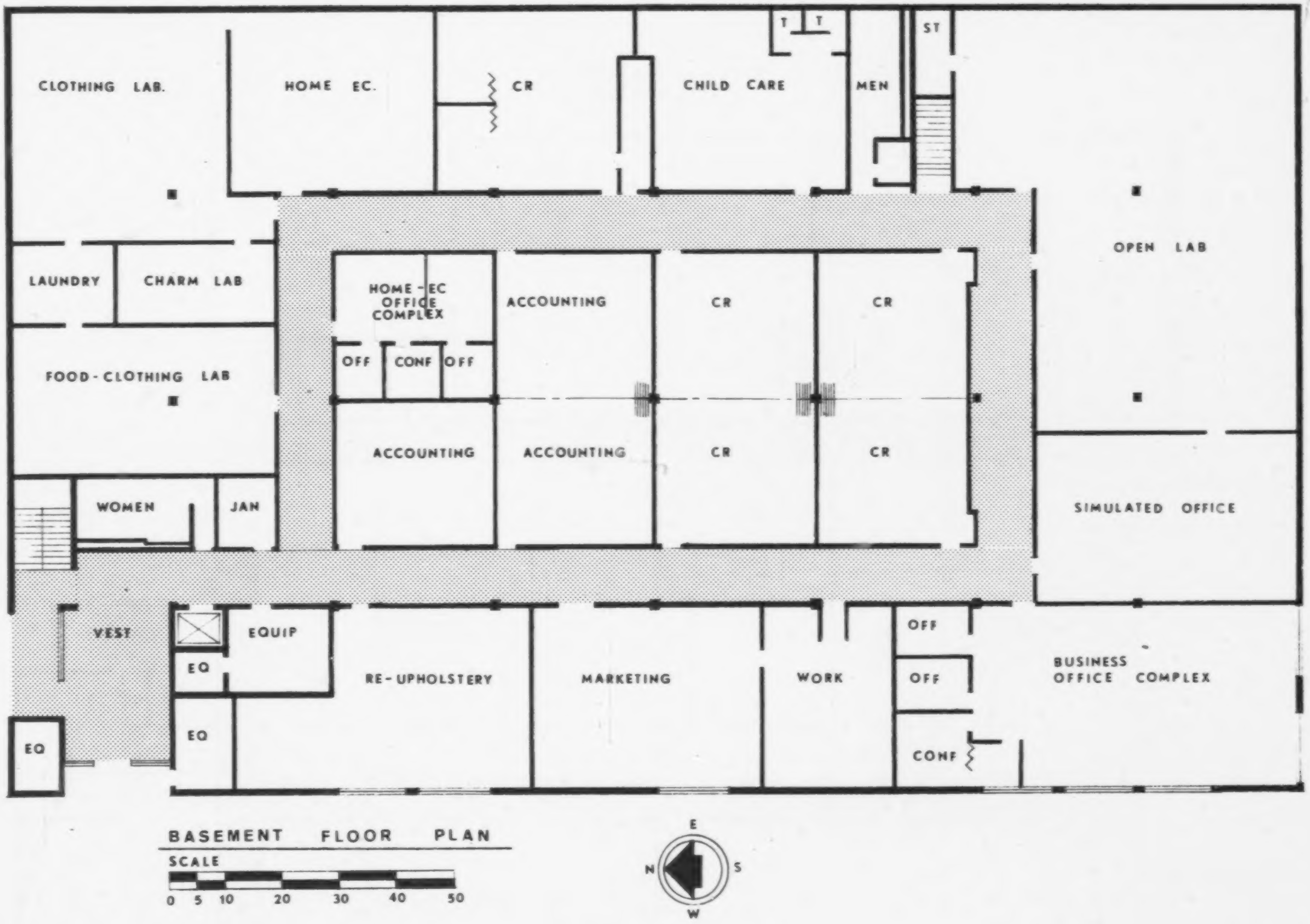
BUILDING "C" BUSINESS – HEALTH – GENERAL EDUCATION


CLOTHING LAB.
HOME EC.
CR
CHILD CARE
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OPEN LAB
LAUNDRY
CHARM LAB
HOME - EC OFFICE COMPLEX
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CONF
OFF
ACCOUNTING
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FOOD - CLOTHING LAB
ACCOUNTING
ACCOUNTING
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CR
WOMEN
JAN
SIMULATED OFFICE
VEST
EQUIP
EQ
EQ
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RE - UPHOLSTERY
MARKETING
WORK
OFF
OFF
CONF
BUSINESS OFFICE COMPLEX
BASEMENT FLOOR PLAN
SCALE
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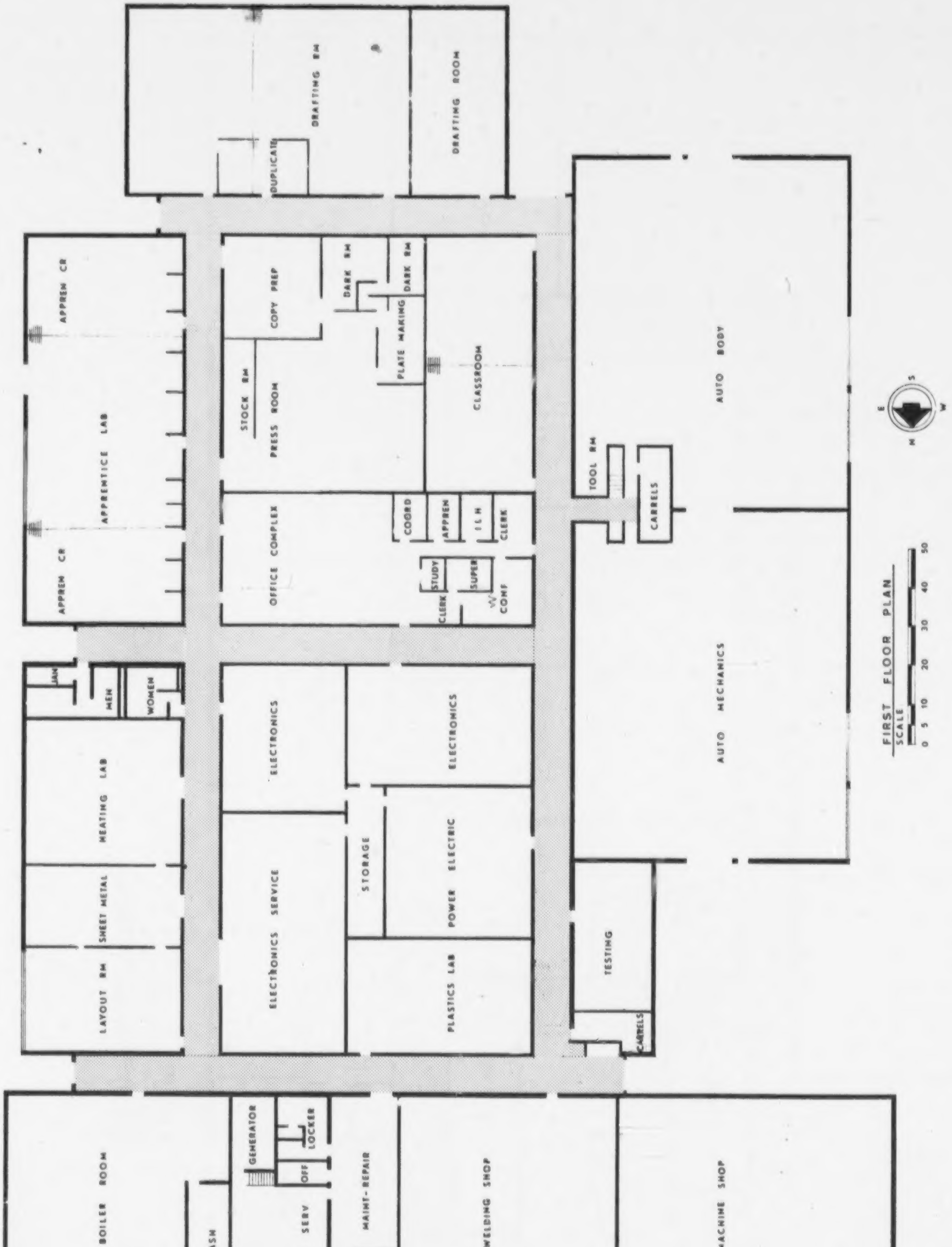
BUILDING "C" BUSINESS – HEALTH – GENERAL EDUCATION


DRAFTING RM
DRAFTING ROOM
DUPLICATE
APPREN CR
APPRENTICE LAB
APPREN CR
COPY PREP
DARK RM
DARK RM
PLATE MAKING
STOCK RM
PRESS ROOM
CLASSROOM
OFFICE COMPLEX
COORD
APPREN
I C H
CLERK
STUDY
SUPER
CLERK
CONF
TOOL RM
CARRELS
AUTO BODY
AUTO MECHANICS
JAN
MEN
WOMEN
HEATING LAB
SHEET METAL
LAYOUT RM
ELECTRONICS
ELECTRONICS
STORAGE
ELECTRONICS SERVICE
POWER ELECTRIC
PLASTICS LAB
TESTING
CARRELS
BOILER ROOM
TRASH
GENERATOR
LOCKER
OFF
ELEC SERV
MAINT-REPAIR
WELDING SHOP
MACHINE SHOP
FIRST FLOOR PLAN
SCALE
0 5 10 20 30 40 50
E
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N
W

BUILDING "B" TRADE & INDUSTRY

CONSTRUCTION PROJECT ANALYSIS

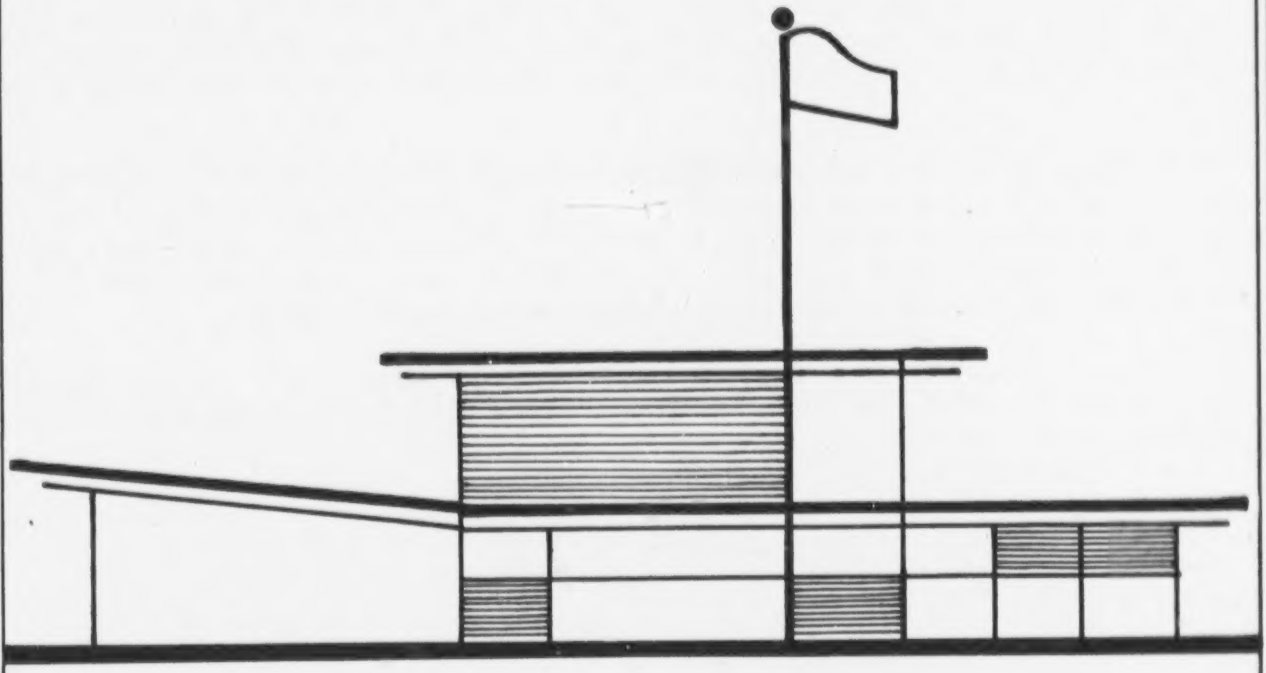
NAME OF SCHOOL Fox Valley Technical Institute DISTRICT # 12

LOCATION Town of Grand Chute, Appleton, Wisconsin

AREA DIRECTOR William M. Sirek

PROJECT NO. 70-12-30 DATE April 15, 1970

ARCHITECT Schutte-Mochon, Inc.



Wisconsin Board of Vocational, Technical and Adult Education

Madison, Wisconsin

E. I. Lehrmann, Director

II

NARRATIVE ON PROPOSED FACILITY
(Establishment of Need)

Name of School Fox Valley Technical Institute **District #** 12

A summary of our guidelines and long-range plans reveals that the Fox Valley Technical Institute Schools which are currently operated at three locations--Appleton, Neenah, and Oshkosh--are presently being utilized to near capacity. Projected enrollments indicate that by 1971 there will be over 1500 full-time students enrolled in these facilities which were originally built to accommodate less than 1000 students. Presently we are conducting apprenticeship classes and some full-time programs at rented facilities at Kaukauna, Menasha, and Oshkosh, which are outside of the three main buildings mentioned above.

With the overwhelming increase in enrollments, the District 12 Board of Vocational, Technical, and Adult Education has retained the architectural firm of Schutte-Mochon, Inc. for the purpose of designing a new central facility for Vocational, Technical, and Adult Education District 12. A bonding referendum was conducted for the proposed six million dollar facility and approved by the electorate of the district by a vote of three to one.

The proposed new facility will consist of six buildings and will have approximately 337,000 square feet of active instructional and student use areas. The material resource center will be a two-story structure providing for instructors' office space presently and an opportunity to expand the media center to the second floor in the future.

This new building complex will make it possible for the Fox Valley Technical Institute to accommodate approximately 3000 full-time students by the fall of 1972 and at the same time provide space for an adequate library and resource center. It will also provide for a student center as well as science laboratories, business education and marketing classrooms, academic classroom areas and a shop complex.

Adequate parking will be made available so that students commuting from throughout VTAE District 12 will be able to park their cars in the vicinity of this educational complex.

It is further noted that the present operation at three locations is very inefficient, and by providing the central facility we will be able to add efficiency to the total comprehensive program of vocational, technical, and adult education in VTAE District 12.

III

PROJECT SCHEDULE

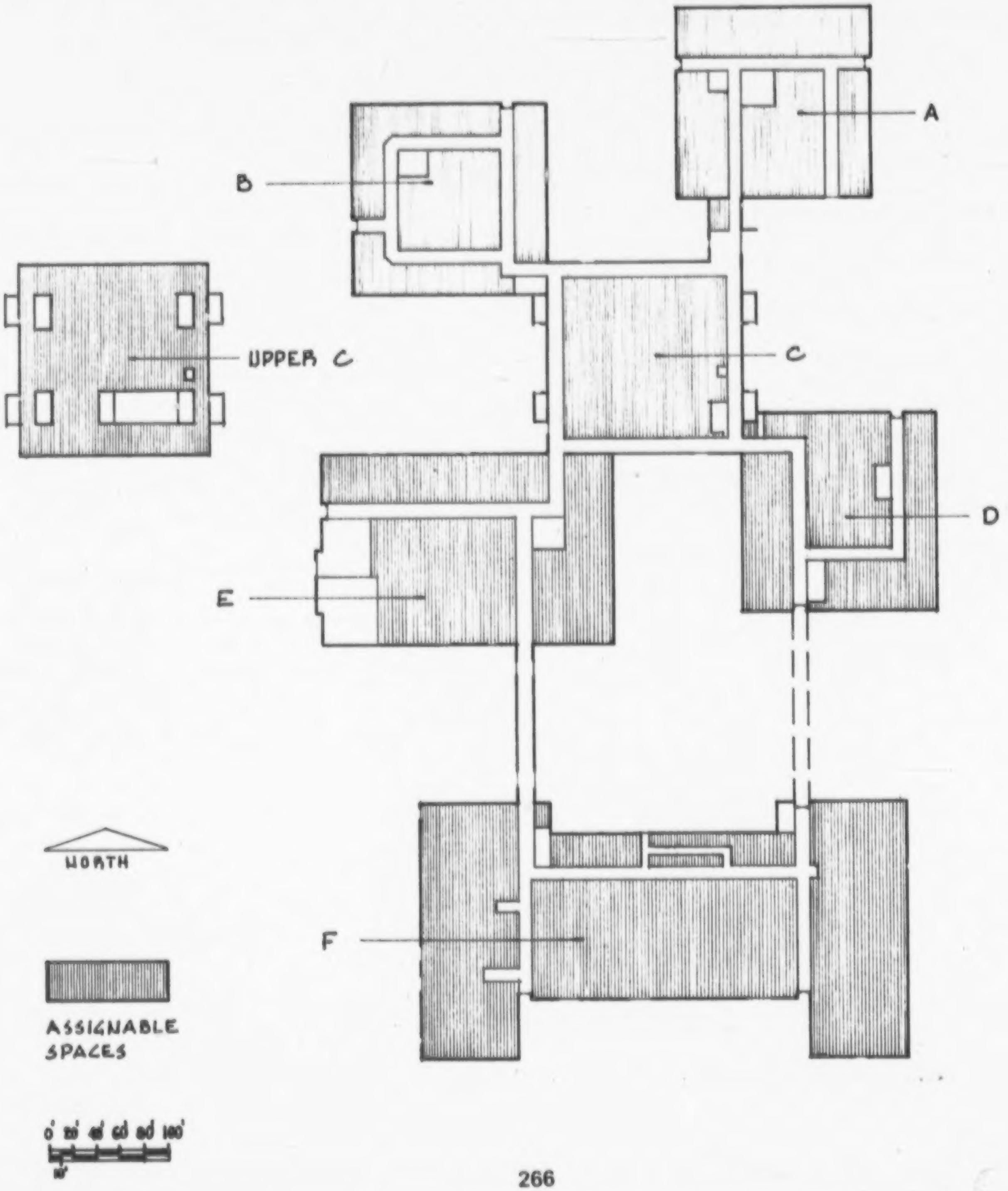
Name of School________________________ District #__________

	Tentative Date	Approval Date
1. Preliminary need studies		
2. Area board action to proceed		
3. Development of long-range plan		
4. Area board approval		
5. State office approval		
6. The development of educational specifications		
7. Area board approval		
8. State office approval		
9. Selection and commissioning architect		
10. Site study and site selection		
11. Development of schematic plans with state and area approval		
12. Development of construction plans and specifications with state and area approval		
13. Establishment of bidding date		
14. Award of contracts		June 15, 1970 & July 11, 1970
15. Start construction		June 23, 1970

IV

SPACE AND CONFIGURATION DIAGRAM OF ASSIGNABLE SPACES

Name of School Fox Valley Technical Institute District # 12


A
B
UPPER C
C
D
E
F
NORTH
ASSIGNABLE SPACES
0' 20' 40' 60' 80' 100'

V

SCHEDULE OF ASSIGNABLE SPACES

Name of School Fox Valley Technical Institute District # 12

Building A Administration Building

Space		No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
A	Classrooms				
	1. General Class rooms	5	546	2728	5
	2. Electronic-Shorthand	1	984	984	1
	3. Office Practice	1	840	840	1
	4. Accounting	1	884	884	1
	5. Fashion and Marketing	1	1150	1150	2
B.	Laboratories				
	1. Typing Lab.	2	864	1728	2
	2. Accounting Lab.	2	430	860	2
	3. Typing Lab.	1	430	430	1
	4. Shorthand Lab.	1	430	430	1
C.	Shops - Function - NONE				
D.	Offices				
	1. Offices	4	134	533	0
E.	Other Instructional - Function				
	1. Machine Calculations	1	575	575	1
	2. Computer Control	2	169	338	1
	3. Computer Room	1	1470	1470	1
	4. Data Process	1	822	822	1
	5. Key Punch	1	338	338	1

SCHEDULE OF ASSIGNABLE SPACES

Name of School Fox Valley Technical Institute District #12

Space	No. of Rooms	Area Each Sq Ft.	Total Area Sq Ft.	Total Student Stations
F. Non-Instructional -Space				
1. Mechanical	1	392	392	0
Mechanical	1	78	78	0
2. Custodial	2	20	40	0
3. Toilets	4	1@ 300		
		1@ 360	750	0
		1@ 45		
		1@ 45		
4. Lockers and Showers	-	NONE (Lockers In Corridors)		
5. Corridors	3		4740	0
6. Duplicating	1	180	180	0
7. Conference	1	312	312	0
8. Storage	1	320	320	0
9. Administration	15		3,900	0

TOTAL Building A.

I.	NET ASSIGNABLE AREA	-------------------	18,922
II.	NON-ASSIGNABLE AREA	-------------------	8,176
III.	GROSS AREA	-------------------	27,098
IV.	TOTAL STUDENT STATIONS	-------------------	21

Building B - Health and Academic Building

	Space	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
A.	Classrooms				
	1. General Class rooms	10	546	5460	10
	2. General Class rooms	1	670	670	1
	3. General Class rooms	7	690	4830	7
	4. General Class rooms	3	718	2154	3
	5. General Class rooms	3	504	1512	3
	6. Tier Classroom	1	780	780	1
	7. Barber and Cosmotology	1	504	504	1
	8. Nursing	1	1617	1617	1
B.	Laboratories - NONE				
C.	Shops - NONE				
D.	Offices - NONE				
E.	Other Instructional-NONE				
F.	Non - Instructional				
	1. Mechanical	1	392	392	0
	2. Custodial	2	60 15	75	0
	3. Toilets	4	1@ 210 1@ 154 2@ 160	684	0
	4. Locker Rooms	1	252	252	0
	5. Corridors	4		4,810	0
	6. Study	1	390	390	0
	7. Conference	2	1@ 145 1@ 135	280	0
	8. Storage	2		264	0

TOTAL Bldg. B

I.	NET ASSIGNABLE AREA	19,039
II.	NON ASSIGNABLE AREA	8,059
III.	GROSS AREA	27,098
IV.	TOTAL STUDENT STATIONS	27

Building C - Instructional Materials Center

	Space	No of Rooms		Area Each Sq Ft.	Total Area Sq Ft	Total Student Station
A.	Classrooms					
	1. Tier Class room	1		756	756	0
B.	Laboratories - NONE					
C.	Shops - NONE					
D.	Offices					
	1. Librarian	1		209	209	0
	2. Office (IMC)	1		56	56	0
	3. Office Area (upper level)				8320	0
E.	Other Instructional					
	1. Study Carrel Room	1		918	918	0
	2. T.V. Studio Complex (studio, control, office equip. etc.)	6			3400	0
	3. Photography Complex (darkrm., preview, printrm. etc.)	6			1300	
	4. Instructional Materials Center (lower)	1		9870	9870	0
	5. Instructional Materials Center (upper)	1		13,900	13,900	0
F.	Non-Instructional Space					
	1. Mechanical.	1		1430	1430	0
	Electrical Rm..	1		140	140	0
	Telephone Equip.	1		120	120	0
	2. Custodial	2	1@	96		
			1@	9	105	0
	3. Toilets	10	1@	150		
			1@	121		
			4@	143		
			4@	110	1283	0

Space	No. of Rooms	Area Each Sq Ft		Total Area Sq Ft	Total Student Station
4. Lockers - NONE					
5. Corridors	4			8,088	0
6. Projection Rm.	1		250	250	0
7. Instructional Media Center	1		1,000	1,000	0
8. Mail Room	1		84	84	0
9. Conference Rm.	2	10	164		
		10	133	297	0
10. Work Room (librarian)	1		270	270	0
11. Stair Towers	4			1920	
12. Entry-writing Area	1			1400	

TOTAL Bldg. C

I. NET ASSIGNABLE AREA -------------------- 40,333

II. NON - ASSIGNABLE AREA -------------------- 16,929

III. GROSS AREA -------------------- 57 262

IV.

IV. TOTAL STUDENT STATIONS-------------------- 4

Building D - Science

Space	No. of Rooms		Area Each Sq Ft	Total Area Sq Ft	Total Student Station
A. Classrooms					
1. Science Class room	3		680	2040	3
2. Surveying Class rooms	1		816	816	1
3. Electrical Class room	1		1288	1288	1
4. Agriculture Class room	1		735	735	1
B. Laboratories					
1. Electronics Lab	2		1288	2576	2
2. Drafting Lab	3		1360	4080	3
3. Agriculture Lab	1		1240	1240	1
4. Biology Lab	2	1@	1120		
		1@	1188	2308	2
5. Physics	1		1480	1480	1
6. Chemistry	1		1353	1353	1
7. Soil Lab.	1		740	740	1
8. Instrument Lab	1		696	696	1
C. Shops - NONE					
D. Offices					
1. Conference	1		143	143	0
E. Other Instructional (NONE)					
F. Non-Instructional Space					
1. Mechanical	1		587	587	0
2. Custodial	2	1@	24		
		1@	21	45	0
3. Toilets	3	1@	288		
		1@	104		
		1@	232		
4. Lockers - NONE (in Corridors)					
5. Corridors	4			3,980	0
6. Work Room	1		275	275	0
7. Storage	5			932	0

TOTAL Bldg. D.

I. NET ASSIGNABLE AREA----------------20,702
II. NON ASSIGNABLE AREA -------------- 7,467
III. GROSS AREA -------------- 28,169
IV. TOTAL STUDENT STATIONS---------- 18

Building E - Activities Building

	Space	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
A.	Classrooms				
	1. Child Care	1	1100	1100	1
	2. Child Care	1	510	510	1
B.	Laboratories				
	1. Clothing Lab.	1	1520	1520	1
	2. Foods Lab.	1	980	980	1
C.	Shops (NONE)				
D.	Offices				
	1. Offices	8	120	960	0
	2. Meeting Rm.	1	88	88	0
	3. Conference Rm.	1	156	156	0
E.	Other Instructional Space				
	1. Instructional Demonstration Center	2	1@ 950 1@ 1750	2700	2
F.	Non-Instructional Space				
	1. Mechanical (Boiler Rm)	1	2784	2784	0
	Mechanical	1	2500	2500	0
	Receiving Room	1	1872	1872	0
	2. Custodial	3	2@ 18 1@ 25	61	0
	3. Toilets	8	1@ 90 2@ 96 3@ 25 1@ 48 1@ 250	750	0
	4. Lockers -- (NONE) (Lockers in corridors)				
	5. Corridors	3		4000	0
	6. Student Services	1	2518	2518	0
	7. Student Activities	1	2227	2227	0
	8. Bookstore	1	700	700	0
	9. Work Room	1	442	442	0
	10. Cafeteria Lounge	1	8453	8453	0
	11. Kitchen (Serving line, food store etc.)			2518	0

(Building E Continued)

Space	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft	Total Student Stations
12. Community Commons	1	1696	1696	0
13. Health Ctr.	1	264	264	0
14. Storage	4		612	0

TOTAL BLDG. E

I. NET ASSIGNABLE AREA -------------------- 26,832

II. NON-ASSIGNABLE AREA -------------------- 13,388

III. GROSS AREA -------------------- 40,220

IV. TOTAL STUDENT STATIONS -------------------- 6

Building F. Trades Building

	Space	No. of Rooms	Area Each Sq Ft.	Total Area Sq Ft.	Total Student Stations
A.	Classrooms				
	1. Classrooms	4	676	2704	4
	2. Classrooms	1	500	500	1
	3. Classrooms	2	742	1484	2
	4. Elect. Class room	1	1624	1624	1
B.	Laboratories				
	1. Commercial Art	1	1600	1600	1
	2. Photo Lab Complex	5	1200	1200	1
	3. Grinding Lab.	1	675	675	1
	4. Apprenctice Complex			4700	3
C.	Shops				
	1. Auto Body Center	1		6900	1
	2. Agriculture, truck and auto repair ctr. center	1		14,900	3
	3. Printing Shop			4794	1
	4. Sheet Metal Shop			1950	1
	5. Metal and Welding Shop	2		3430	2
	6. Foundry	1	1320	1320	1
	7. Metallurgy	1	1570	1570	1
	8. Fluid Power	1	1380	1380	1
	9. Machine Shop Beginners	1		2944	1
	10. Machine Shop Advanced	1		2620	1
D.	Offices				
	1. Office Area			1,375	0
	2. Conference	4	1@ 273 2@ 144 1@ 273	834	0
E.	Other Instructional Areas (NONE)				

Building F. Trades Building (Continued)

	Space	No. of Rooms	Area Each Sq. Ft	Total Area Sq. Ft.	Total Student Stations
F.	Non Instructional Arease				
	1. Mechanical	1	104	104	0
	2. Custodial	3	1@ 25 1@ 25 1@ 130	180	0
	3. Toilets	3	1@ 286 1@ 25 1@ 121	432	0
	4. Lockers	(NONE) (In corridor)			
	5. Corridors	3		5430	0
	6. Passages	2	200	400	

TOTAL BUILDING F

I. NET ASSIGNABLE AREA ---------------------- 58,504

II. NON ASSIGNABLE AREA ---------------------- 11,362

III. GROSS AREA ---------------------- 69,866

IV TOTAL STUDENT STATIONS ------------------ 27

Enclosed Walk 1,820 Sq. Ft

Covered Walk 1,129 Sq. Ft.

GRAND TOTAL

I. NET ASSIGNABLE AREA --------------------- 184,332 Sq. Ft

II. NON ASSIGNABLE AREA --------------------- 68,380 Sq. Ft

III. GROSS AREA --------------------- 252,712 Sq. Ft.

IV. TOTAL STUDENT STATIONS ------------------ 103

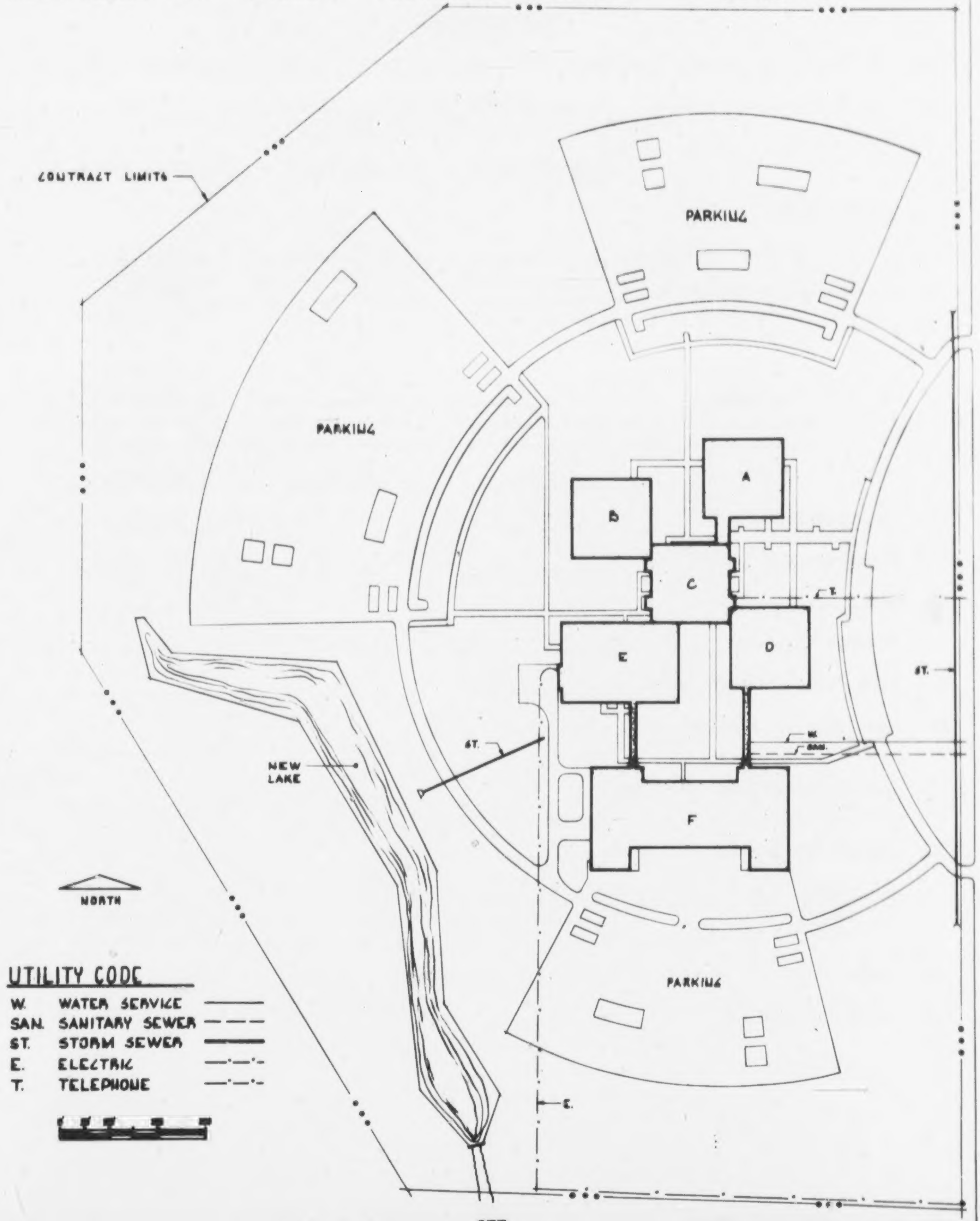
V. NO. OF STUDENTS TO BE SEWED -----------

Full time -----------

Part Time -----------

VI
SITE PLAN

NAME OF SCHOOL: FOX VALLEY TECHNICAL INSTITUTE DISTRICT # 12


CONTRACT LIMITS
PARKING
PARKING
PARKING
A
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D
E
F
T.
ST.
ST.
W.
SAN.
NEW LAKE
E.
NORTH
UTILITY CODE
W. WATER SERVICE
SAN. SANITARY SEWER
ST. STORM SEWER
E. ELECTRIC
T. TELEPHONE

VII

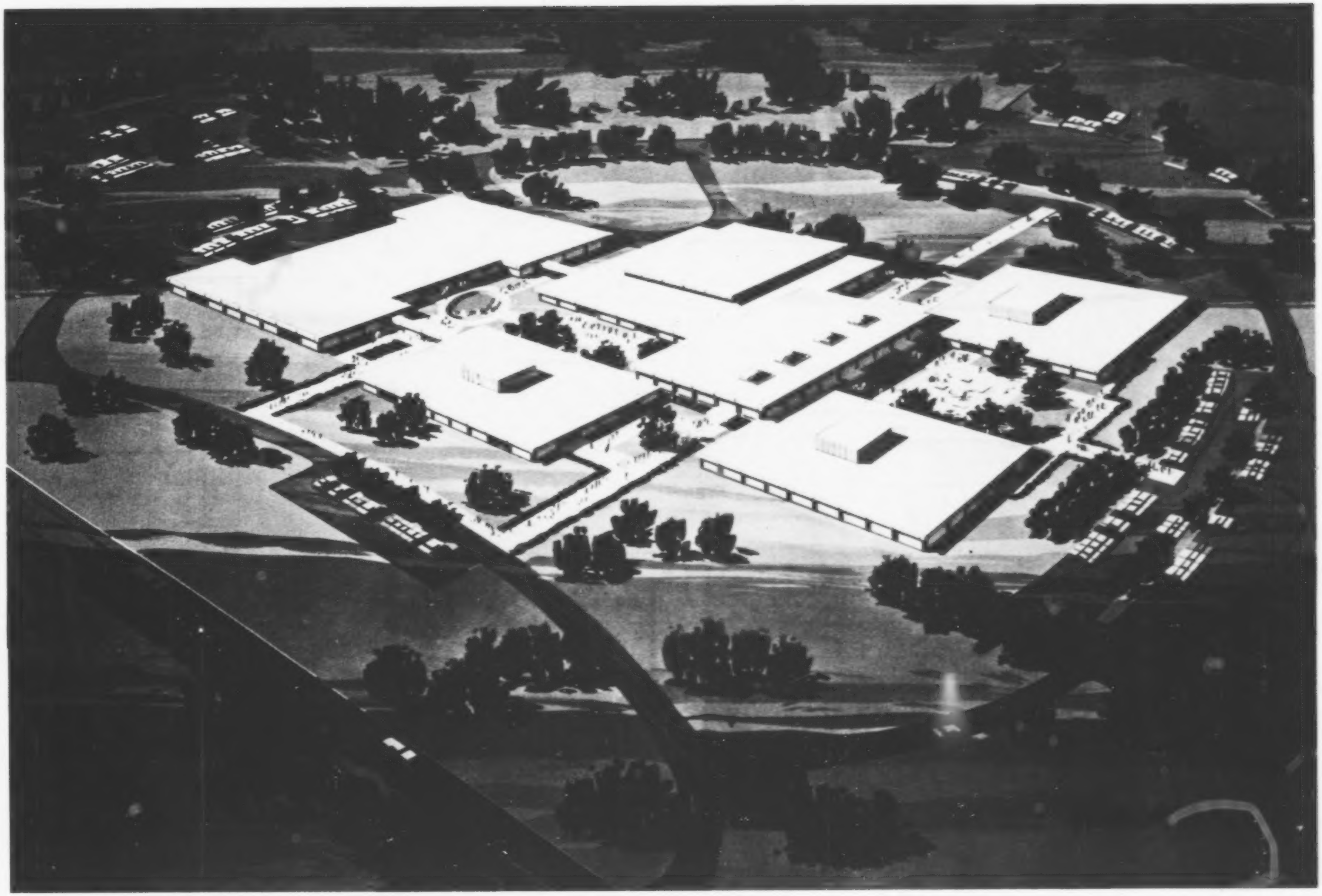
PROJECT BUDGET

Name of School Fox Valley Technical Institute District # 12

Net Assignable Area 184,322 Non-Assignable 68,380 Gross Area 252,712

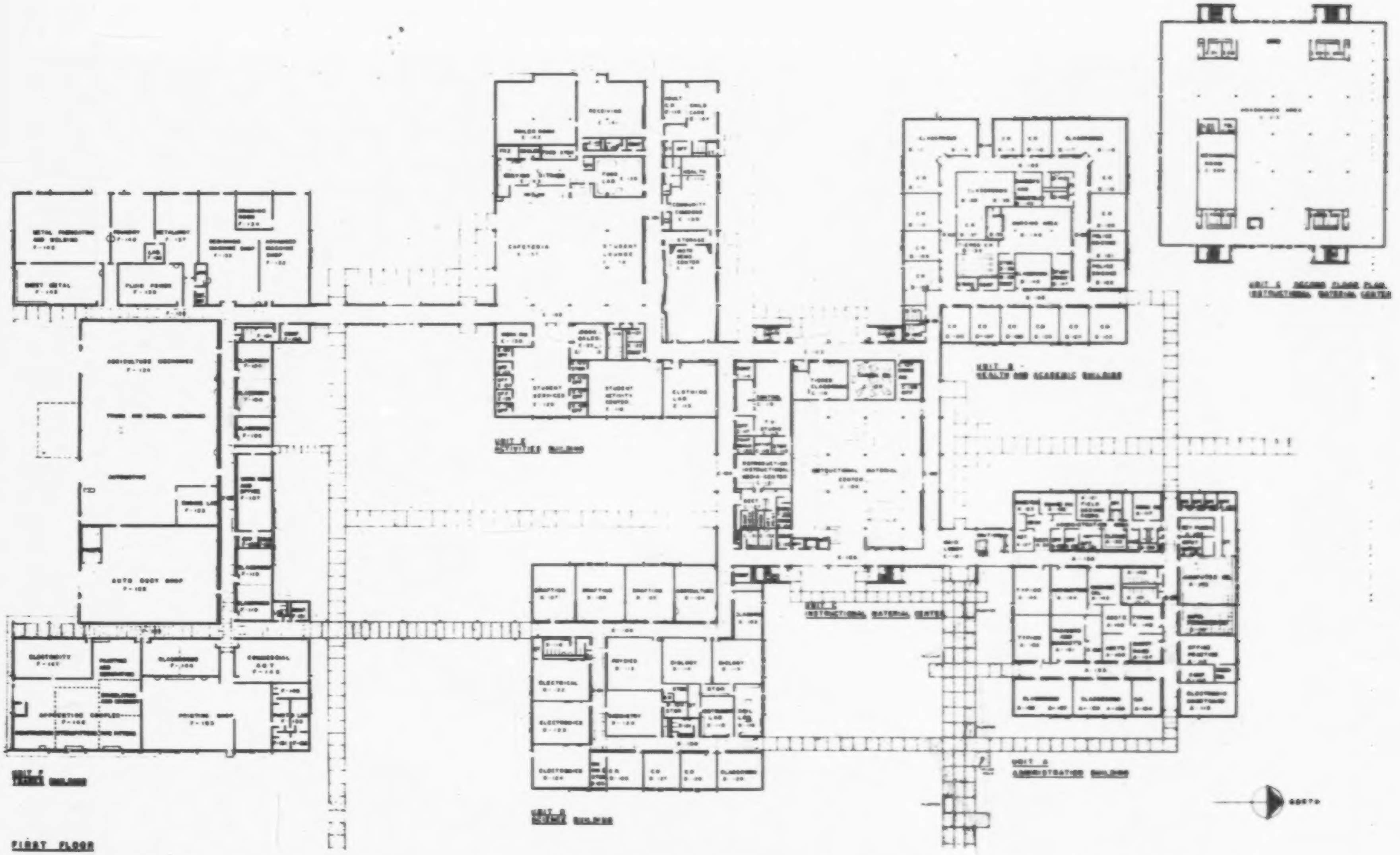
% in Non-Assignable Area 27.1%

		Budget Estimate	Cost Per Sq. Ft.	Contract Award
I.	Construction			
	A. General construction		12.98	3,283,300
	B. Plumbing		1.43	362,550
	C. Heating & ventilating		3.60	909,000
	D. Air conditioning			Incl. in Above
	E. Electrical		3.07	776,853
	F. Elevator		.10	14,801
	G. Fixed equipment		.65	164,626
	H. Other Painting		.29	74,450
	I.			
	J.			
	TOTAL		22.12	5,585,612
II.	Site Development	$		$ 365,000
III.	Architect Fee 5 1/2%	$		$ 327,300
IV.	Clerk of the Works	$		$
V.	Movable Equipment ____%	$		$
VI.	Construction Contingency	$		$
VII.	Construction Cost Increase ____%	$		$
VIII.	Land Purchase Cost per acre ____ X ____	$ 0		$ 0
IX.	Utility Extensions			
	1. Sewer	$		$ Part of above
	2. Electrical	$		$ Part of above
	3. Streets, etc.	$		$?
X.	Demolition	$ 0		$ 0
XI.	Total Project Cost	$		$



FOX VALLEY TECHNICAL INSTITUTE

OUTAGAMIE COUNTY WISCONSIN

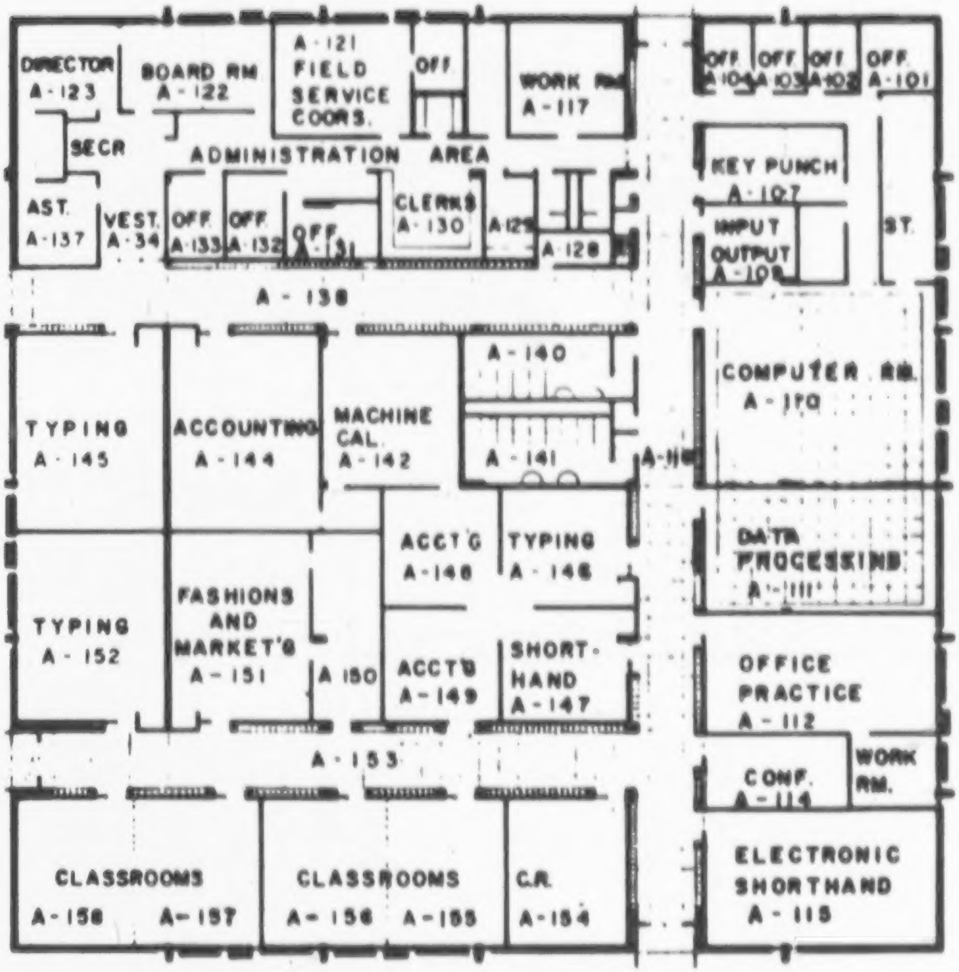


UNIT E SECOND FLOOR PLAN
INSTRUCTIONAL MATERIAL CENTER
UNIT B - HEALTH AND ACADEMIC BUILDING
UNIT C ACTIVITIES BUILDING
CAFETERIA
STUDENT LOUNGE
RECEIVING
STUDENT SERVICES
STUDENT ACTIVITY CENTER
CLOTHING LAB
INSTRUCTIONAL MATERIAL CENTER
UNIT E INSTRUCTIONAL MATERIAL CENTER
UNIT A ADMINISTRATION BUILDING
DRAFTING
AGRICULTURE
BIOLOGY
PHYSICS
CHEMISTRY
ELECTRICAL
ELECTRONICS
CLASSROOM
UNIT D SCIENCE BUILDING
AGRICULTURE MECHANICS
AUTO BODY SHOP
PRINTING SHOP
COMMERCIAL ART
ELECTRICITY
SHEET METAL
FLUID POWER
UNIT F TRADES BUILDING
NORTH

FIRST FLOOR

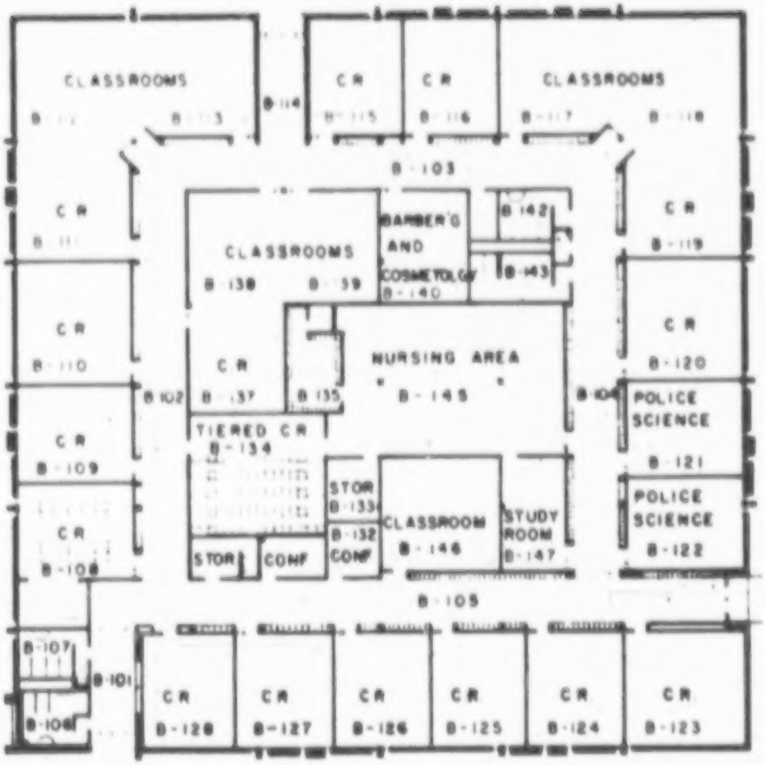
MASTER FLOOR PLAN ...... FOX VALLEY TECHNICAL INSTITUTE

SCALE: 1" = 25'-0"


DIRECTOR A-123
BOARD RM A-122
A-121 FIELD SERVICE COORS.
OFF
WORK RM A-117
OFF A-104
OFF A-103
OFF A-102
OFF A-101
SECR
ADMINISTRATION AREA
KEY PUNCH A-107
AST. A-137
VEST. A-34
OFF A-133
OFF A-132
OFF A-131
CLERKS A-130
A-129
A-128
INPUT OUTPUT A-108
ST.
A-138
A-140
COMPUTER RM. A-110
TYPING A-145
ACCOUNTING A-144
MACHINE CAL. A-142
A-141
A-116
ACCT'G A-148
TYPING A-146
DATA PROCESSING A-111
TYPING A-152
FASHIONS AND MARKET'G A-151
A 150
ACCT'G A-149
SHORT-HAND A-147
OFFICE PRACTICE A-112
A-153
CONF. A-114
WORK RM.
CLASSROOMS A-158 A-157
CLASSROOMS A-156 A-155
C.R. A-154
ELECTRONIC SHORTHAND A-115

This building houses the administrative complex which includes the Director's office, the Board Room, business offices, a scheduling room, and other administrative offices. Classrooms and laboratories for Accounting, Data Processing, Banking and Finance, and Secretarial programs are also a part of this complex.

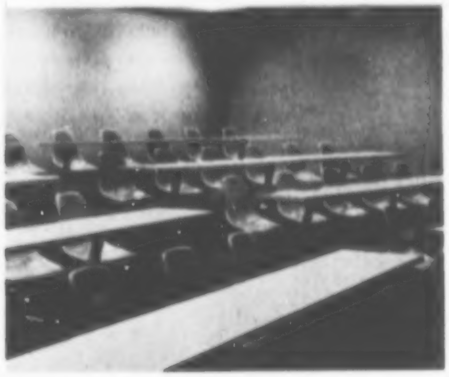
Administration
Building
"A"


CLASSROOMS
B-112
B-113
B-114
CR
B-115
CR
B-116
CLASSROOMS
B-117
B-118
B-103
CR
B-111
CLASSROOMS
B-138
B-139
BARBER'G AND COSMETOLOGY
B-140
B-142
B-143
CR
B-119
CR
B-110
CR
B-137
B-135
NURSING AREA
B-145
CR
B-120
B-102
B-104
POLICE SCIENCE
B-121
CR
B-109
TIERED CR
B-134
STOR
B-133
CLASSROOM
B-146
STUDY ROOM
B-147
POLICE SCIENCE
B-122
CR
B-108
STOR
CONF
B-132
CONF
B-105
B-107
B-101
B-106
CR
B-128
CR
B-127
CR
B-126
CR
B-125
CR
B-124
CR
B-123

Academic Building "B"

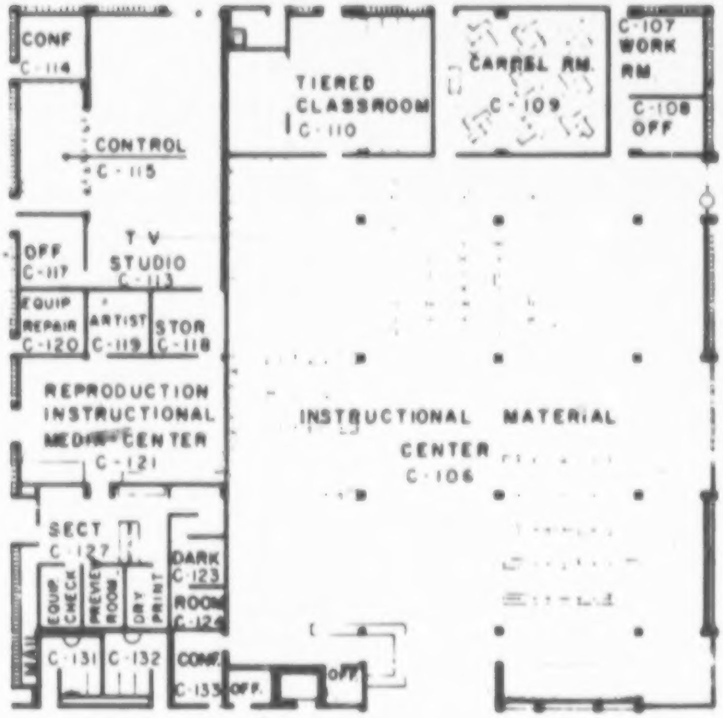
This building provides a variety of rooms for academic subjects, as well as courses in Interior Decoration, Fashion Merchandising, and Marketing. This building is arranged in such a way so that there is complete flexibility for a variety of class sizes, as well as team teaching. The Practical Nurse, Occupational Therapy Assistant, Operating Room Assistant, and Police Science programs are housed in this building until the new addition is completed.

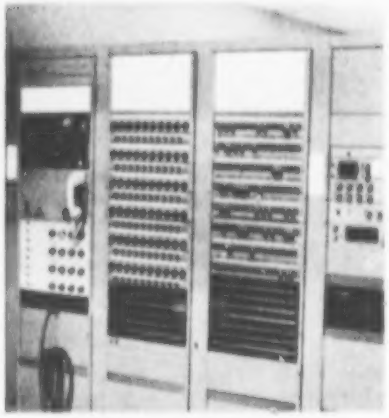
Left, well equipped classroom incorporates excellent lighting, chalk board, portable visual aid screen. Right, unique "corner" rooms allow larger classes for lectures, seats are on risers with table in front.



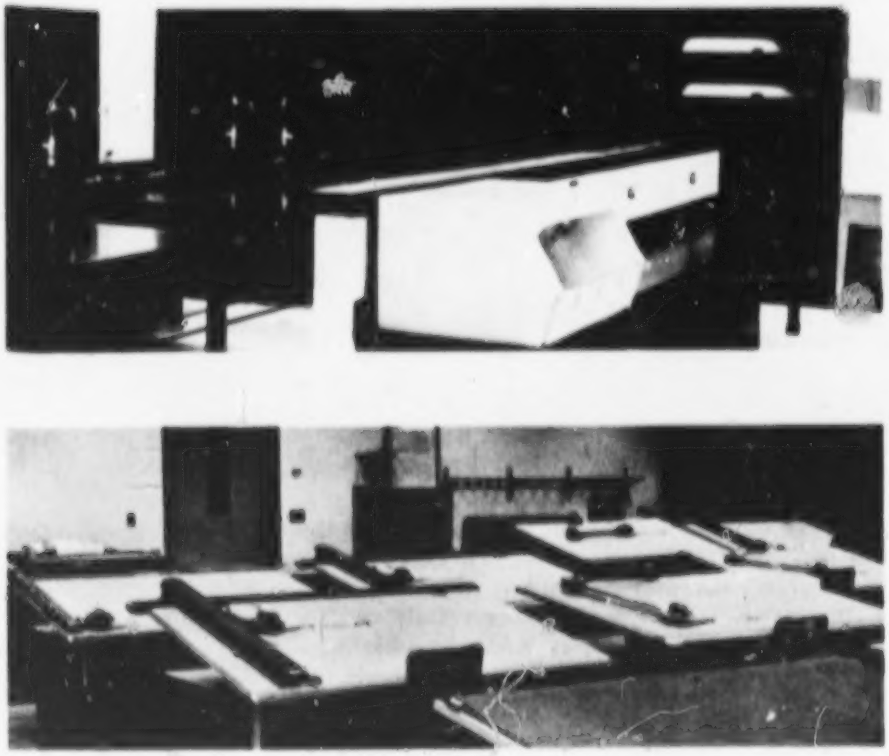
Instructional Material Center "C"

The Instructional Media Center contains the library, closed circuit television studio, materials preparation laboratory, and communications system on the first floor. The second floor provides an open study area for the individualized instruction in academic subjects.


CONF
C-114
TIERED
CLASSROOM
C-110
CARREL RM.
C-109
C-107
WORK
RM.
C-108
OFF
CONTROL
C-115
OFF
C-117
T V
STUDIO
C-113
EQUIP
REPAIR
C-120
ARTIST
C-119
STOR
C-118
REPRODUCTION
INSTRUCTIONAL
MEDIA CENTER
C-121
INSTRUCTIONAL MATERIAL
CENTER
C-106
SECT
C-127
EQUIP CHECK
PREVIEW ROOM
DRY PRINT
DARK
C-123
ROOM
C-124
C-131
C-132
CONF.
C-133
OFF.
OFF



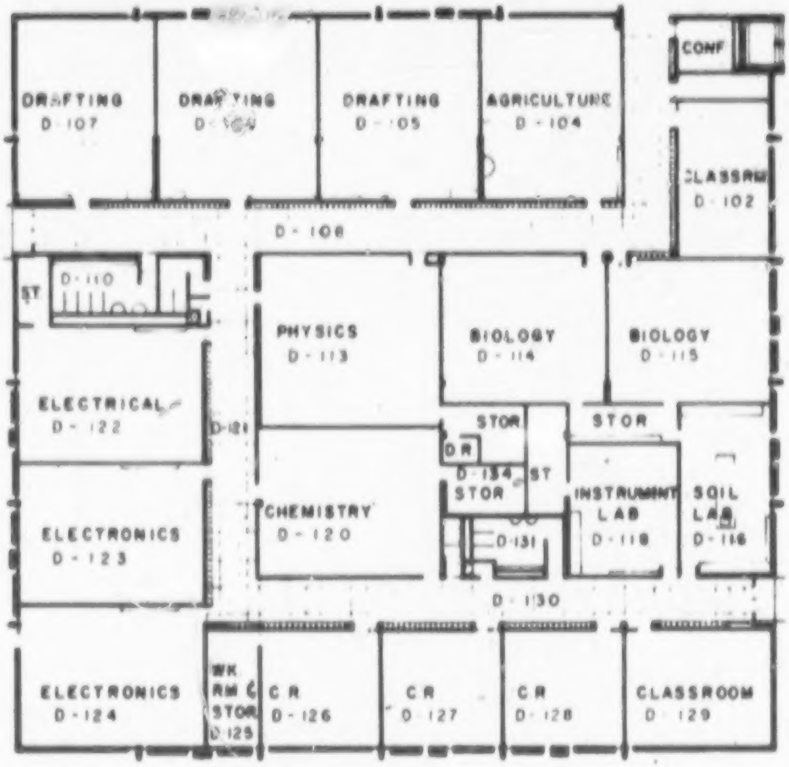
Top to bottom: individual study areas. Communications center permits instant contact with any or all FVTI areas. TV studio can program material live or on tape to any area.



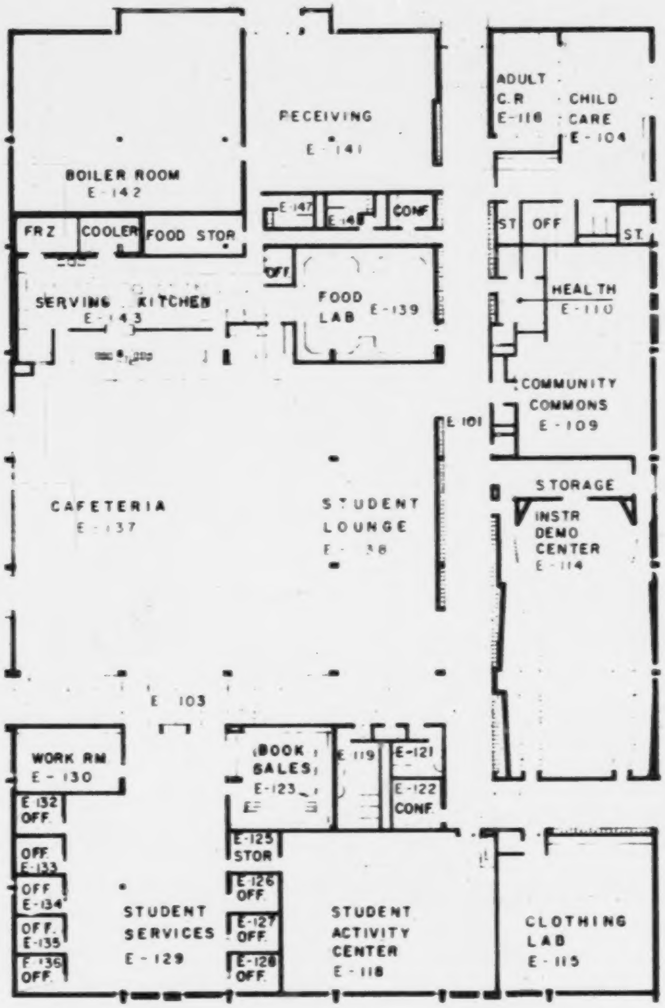
Top, typical science laboratory equipped for individual experiments. Bottom, mechanical design area provides latest type drawing tables.

Science Building "D"

Classrooms and laboratories for Conservation Technology, Mechanical - Design, Agri-Business, and Electronics Technology, as well as science laboratories in biology, chemistry, physics, as related to other technologies, are housed in this facility.


CONF
DRAFTING D-107
DRAFTING D-106
DRAFTING D-105
AGRICULTURE D-104
CLASSRM D-102
D-108
ST
D-110
PHYSICS D-113
BIOLOGY D-114
BIOLOGY D-115
ELECTRICAL D-122
D-121
STOR
DR
D-134 STOR
ST
STOR
INSTRUMENT LAB D-118
SOIL LAB D-116
CHEMISTRY D-120
ELECTRONICS D-123
D-131
D-130
ELECTRONICS D-124
WK RM & STOR D-125
CR D-126
CR D-127
CR D-128
CLASSROOM D-129

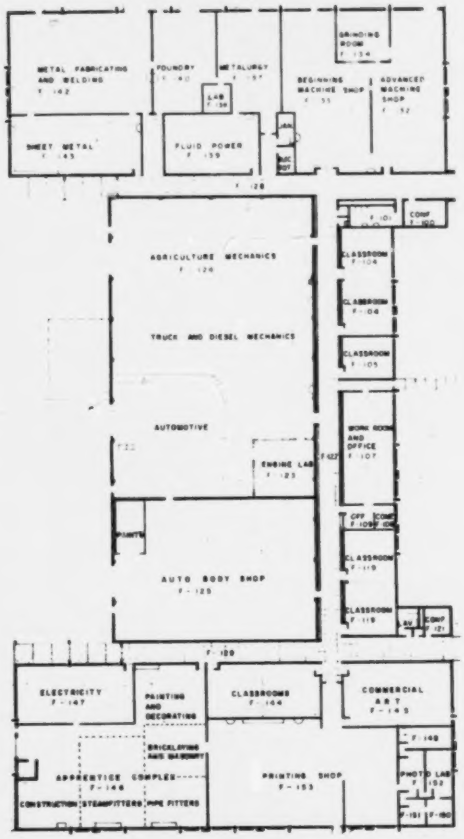
Activities Building "E"


RECEIVING
E-141
BOILER ROOM
E-142
E-147
E-148
CONF
FRZ
COOLER
FOOD STOR
OFF
SERVING KITCHEN
E-143
FOOD LAB
E-139
ADULT C.R E-116
CHILD CARE E-104
ST
OFF
ST
HEALTH
E-110
COMMUNITY COMMONS
E-109
E 101
STORAGE
INSTR DEMO CENTER
E-114
CAFETERIA
E-137
STUDENT LOUNGE
E-138
E 103
WORK RM
E-130
BOOK SALES
E-123
E 119
E-121
E-122
CONF
E 132 OFF
OFF E-133
OFF E-134
OFF. E-135
E 136 OFF
E-125 STOR
E-126 OFF
E-127 OFF
E-128 OFF
STUDENT SERVICES
E-129
STUDENT ACTIVITY CENTER
E-118
CLOTHING LAB
E-115

This facility provides space for a student cafeteria and lounge, as well as an activities room and a guidance and counseling complex. A small auditorium which seats 252 individuals, as well as classrooms and laboratories for Child Care and Development and laboratories for food service and clothing are also provided. A part of this complex includes the heating plant and receiving room.

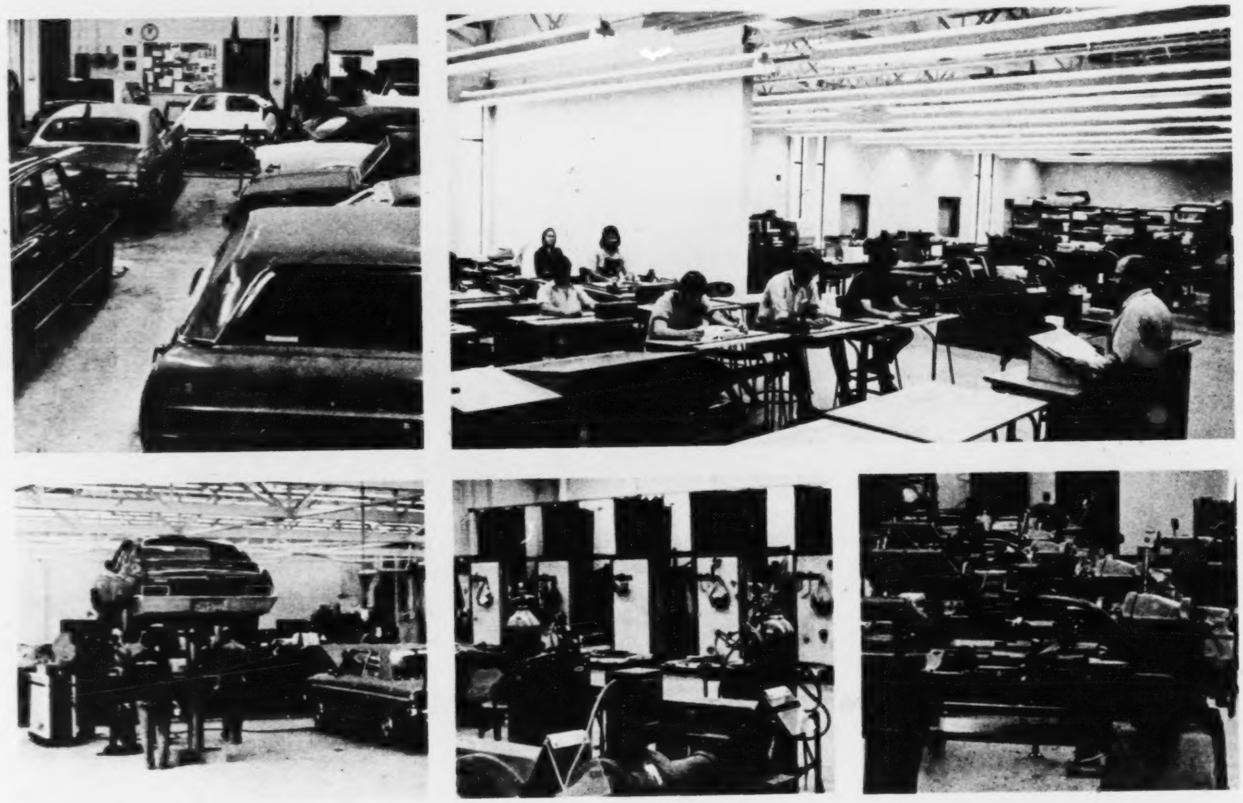
Top to bottom: Bring your lunch or buy it in pleasant food service area. Plenty of chance for relaxation between classes. Large, well set up auditorium.

Trades Building "F"


METAL FABRICATING AND WELDING F-142
FOUNDRY F-140
METALURGY F-137
LAB F-138
GRINDING ROOM F-134
BEGINNING MACHINE SHOP F-133
ADVANCED MACHINE SHOP F-132
SHEET METAL F-143
FLUID POWER F-139
JAN
ELEC RM
F-128
F-101
CONF F-100
AGRICULTURE MECHANICS F-124
CLASSROOM F-104
CLASSROOM F-104
TRUCK AND DIESEL MECHANICS
CLASSROOM F-105
AUTOMOTIVE
WORK ROOM AND OFFICE F-107
ENGINE LAB F-123
F-127
PAINTS
OFF F-109
CONF
CLASSROOM F-119
AUTO BODY SHOP F-125
CLASSROOM F-119
LAV
CONF F-121
F-120
ELECTRICITY F-147
PAINTING AND DECORATING
CLASSROOMS F-144
COMMERCIAL ART F-145
F-148
BRICKLAYING AND MASONRY
APPRENTICE COMPLEX F-146
PRINTING SHOP F-153
PHOTO LAB F-152
CONSTRUCTION
STEAMFITTERS
PIPE FITTERS
F-151
F-150

This facility is connected to the Science and Student Activities Buildings by walkways and contains laboratories, shops and classrooms for Machine Shop, Metal Fabrication-Welding, Auto Mechanics, Auto Body Mechanics, and Printing programs, as well as laboratories for related instruction for the apprentice occupations such as electricity, carpentry, plumbing, and other trades.

Left to right, top row: Any type of body work can be done in auto mechanics area. Printing instruction covers preparation as well as production. Bottom row: Auto servicing is important part of instruction. Welding shop permits each student to use equipment. Machine shop houses all types of equipment.



CONSTRUCTION PROJECT ANALYSIS

NAME OF SCHOOL Northeast Wisconsin Technical Institute DISTRICT # 13

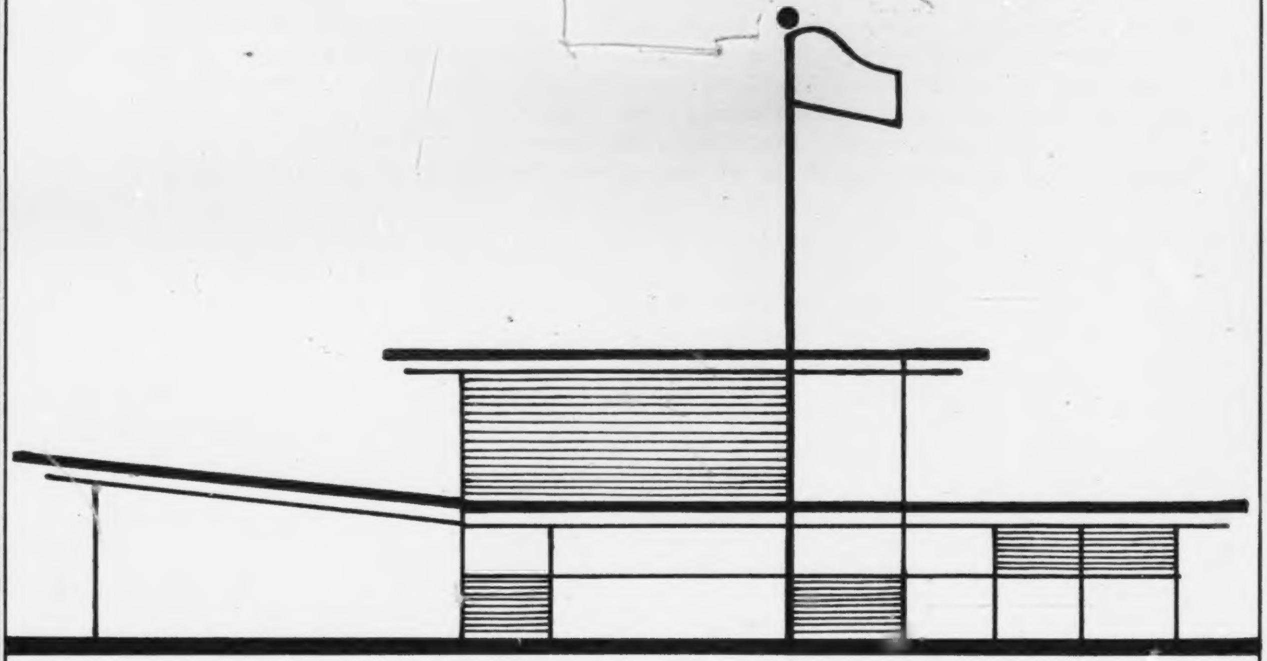
LOCATION West Mason at Country Club Road

Green Bay, Wisconsin 54303

AREA DIRECTOR K. W. Haubenschild

PROJECT NO. 5-5-005550 DATE September 24, 1971

ARCHITECT Berners, Schober and Kilp



Wisconsin Board of Vocational, Technical and Adult Education

Madison, Wisconsin

E. I. Lehrmann, Director

II

NARRATIVE ON PROPOSED FACILITY
(Establishment of Need)

Name of School ~~Northeast Wisconsin Technical~~ Institute District # 13

The need for vocational and technical education in Northeast Wisconsin has been substantiated by planning activities which include analysis of the population, economy, employment pattern and industrial development relative to the financial and spatial limitations of the present facility. The State Plan indicates that 8 per cent of college age youth can be expected to attend a technical institute by 1975 and, as a result, estimated enrollment for NWTI during that year will be about 2500. Industrial and business needs for technical institutes graduates are probably three to four times that number, but the input must be considered as a non-variable until underlying societal assumptions regarding the relative value of technical education are changed.

In any event, NWTI has been planned to meet this need for 2500; but the plans call for flexibility in terms of both facility use and expansion. Without major alteration the facility could accommodate 3500, and it can be expanded in a number of directions.

Northeast Wisconsin Technical Institute will serve, in an addition to students in full-time day programs, about 100 apprentices, 7000 to 8000 adults in evening programs, and a large number of disadvantaged persons in special programs. Occupational training ranges of operating room assistant to data processing programmer and includes most of the industrial trades such as machine tool operation and welding. The impact of the Northeast Wisconsin Technical Institute on all residents, business and industry in Northeast Wisconsin is apparent in terms of measurable benefits to all concerned.

III

PROJECT SCHEDULE

Name of School Northeast Wisconsin Technical Institute **District #** 13

		Tentative Date	**Approval Date**
1.	Preliminary need studies		July 1, 1968 July 15, 1968
2.	Area board action to proceed		July 24, 1968
3.	Development of long-range plan		Aug. 31, 1968 Jan. 1, 1969
4.	Area board approval		Feb. 19, 1969
5.	State office approval		March 1, 1969
6.	The development of educational specifications		Sept. 1, 1968 June 15, 1969
7.	Area board approval		Aug. 13, 1969
8.	State office approval		Aug. 30, 1969
9.	Selection and commissioning architect		April 9, 1969
10.	Site study and site selection		Sept. 18, 1969
11.	Development of schematic plans with state and area approval		January 15, 1970 April 1, 1970
12.	Development of construction plans and specifications with state and area approval		April 1, 1970 Aug. 24, 1970
13.	Establishment of bidding date		Aug. 28, 1970
14.	Award of contracts		Nov. 16, 1970
15.	Start construction		Nov. 25, 1970

IV

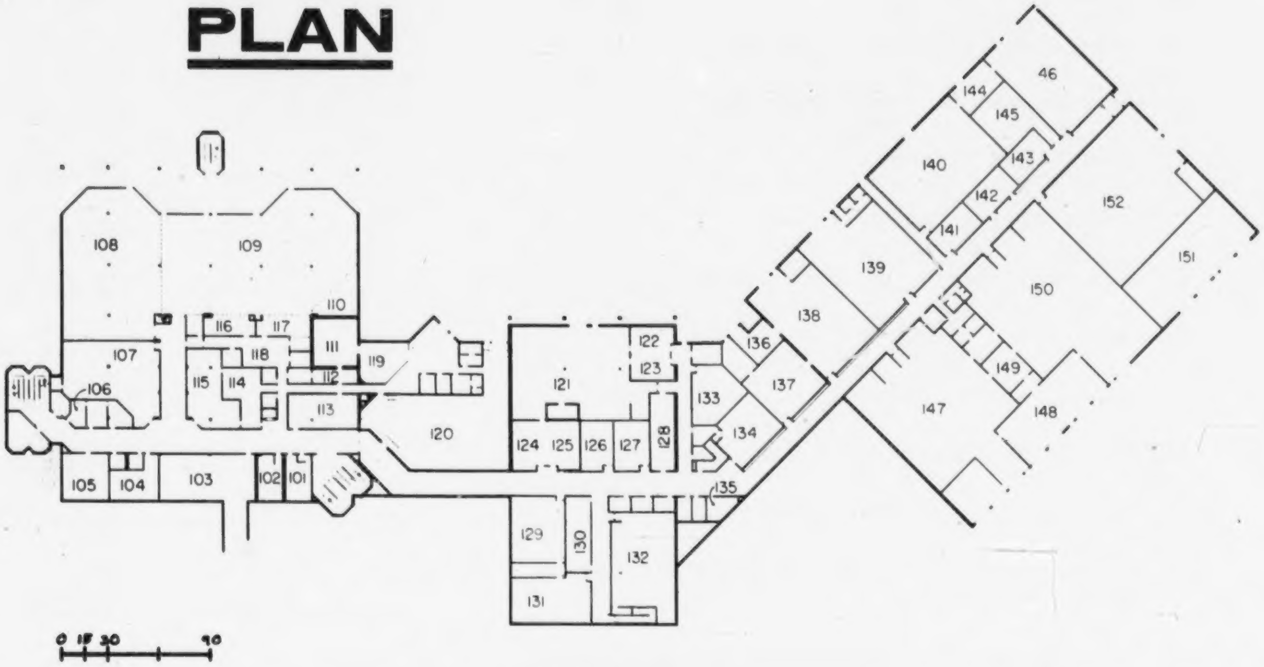
SPACE AND CONFIGURATION DIAGRAM OF ASSIGNABLE SPACES

Scale 1" = 50 ft.

Name of School Northeast Wisconsin Technical Institute **District #** 13

See Attached

PLAN



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FIRST LEVEL

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3. STUDENT SERVICES

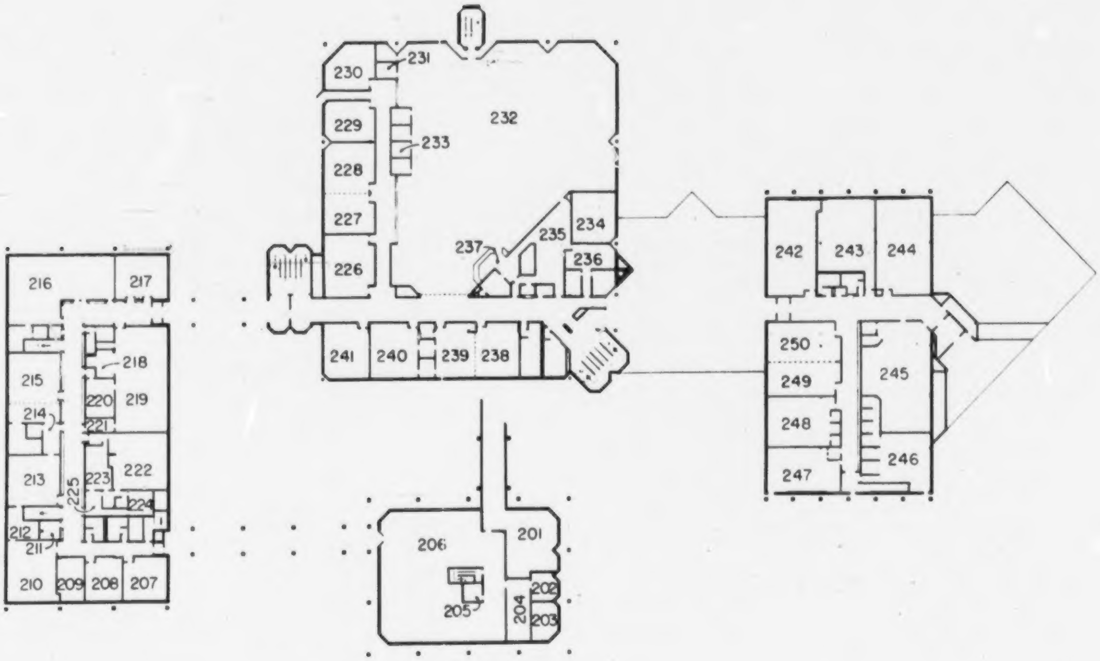
101. Women
102. Men
103. Mechanical Room
104. Staff Lounge
105. Building Storage
106. Student Office Area
107. Game Room
108. Student Lounge
109. Cafeteria
110. Dining Area
111. T.V. Media Studio
112. T.V. Control
113. Graphics Production
114. Storage
115. Book Store
116. Vending
117. Serving
118. Kitchen

4. TRADE & INDUSTRY

119. Storage
120. Boiler Room Area
121. Apprenticeship Room
122. Classroom
123. Classroom
124. Classroom
125. Classroom
126. Classroom
127. Classroom
128. Staff Offices
129. Mech. Instrument Lab.
130. Staff Offices
131. Elec. Instrument Lab.
132. Electricity Lab.
133. Material Testing
134. Staff Offices
135. Conference
136. Wood Storage
137. Model Bldg. Lab.

5. TRADE & INDUSTRY

138. Wood Technics Lab.
139. Welding Lab.
140. Basic Machine Shop
141. Classroom
142. Classroom
143. Classroom
144. Machine Shop Storage
145. Metallurgical Lab.
146. Advanced Mechine Shop
147. Auto Lab.
148. Diagnostic Bay
149. Auto Parts Storage
150. Auto Lab.
151. Storage Facility
152. Auto Body & Storage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SECOND LEVEL

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1. SERVICE

201. Mechanical Equip.
202. Emergency Gen.
203. Transformer Vault
204. Communications
205. Communications
206. Storage

2. HEALTH

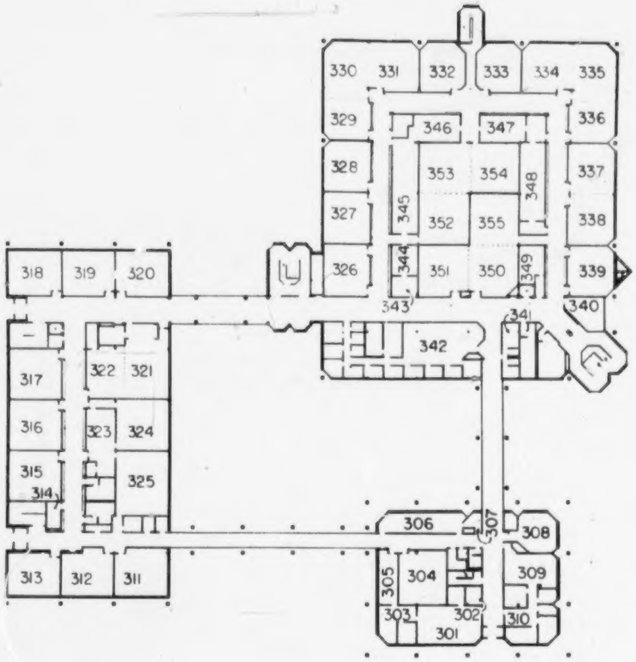
207. Gen. Classroom
208. Health Occupations Classroom
209. Staff Workroom
210. Medical Procedures Lab.
211. Conference Room
212. E.K.G. (Electrocardiogram)
213. Medical Assist. Lab.
214. Work & Storage Area
215. Operating Room Assist. Lab.
216. Staff Office Area
217. Health Occupations Classroom
218. Medical Prep. & Utility
219. Practical Nursing Lab.
220. Student Change Area
221. Linen Storage
222. Dental Assist. Lab.
223. Dental Operatory
224. Dental Operatory
225. Waiting

3. INSTRUCTIONAL CENTER

226. Reading Lab.
227. Gen. Classroom
228. Gen. Classroom
229. Gen. Classroom
230. Gen. Classroom
231. Group Study Area
232. Library
233. Group Study Area
234. T.V. Media Studio Below
235. Work Room
236. A.V. Media Center
237. Circulation
238. Mock Court Room
239. Crime Research Lab.
240. Technical Science Lab.
241. Tier Classroom

4. T&I — HOME ECONOMICS

242. Mechanical Design
243. Civil & Highway Tech.
244. Architectural Tech.
245. Barber Shop Lab.
246. Multi-Purpose
247. Child Care Assist.
248. Multi-Purpose
249. Clothing Classroom
250. Clothing Lab.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THIRD LEVEL

1. ADMINISTRATION

301. Computer Lab.
302 Office Area
303. Computer Operations
304 Lab. & Work Room
305 Key Punch
306. Staff Offices
307 Conference Room
308. General Classroom
309 General Office
310. Admin. Office Area

2. BUSINESS

311. Typing I Lab.
312 Business & Marketing Classroom
313 Business & Marketing Classroom
314. Conference & Class Prep.
315 Accounting Lab.
316. Shorthand Classroom
317. Machine Calc. Lab.
318. Staff Office Area
319. Business & Marketing Classroom
320. Business & Marketing Classroom
321. Marketing Lab.
322. Marketing Classroom
323. Duplication Lab.
324. Advanced Typing Lab.
325. Advanced Typing Lab.

3. ACADEMIC

326. Gen. Classroom
327. Gen. Classroom
328. Gen. Classroom
329. Gen. Classroom
330. Gen. Classroom
331. Gen. Classroom
332. Gen. Classroom
333. Gen. Classroom
334. Gen. Classroom
335. Gen. Classroom
336. Gen. Classroom
337. Gen. Classroom
338. Gen. Classroom
339. Gen. Classroom
340. Staff Lounge
341. Student Health Rooms
342. Counselor Office Area
343. Conference Room
344. Staff Office Area
345. Staff Office Area
346. Staff Office Area
347. Staff Office Area
348. Staff Office Area
349. Mechanical Equip.
350. Gen. Classroom
351. Gen. Classroom
352. Gen. Classroom
353. Gen. Classroom
354. Gen. Classroom
355. Gen. Classroom

V

SCHEDULE OF ASSIGNABLE SPACES

Name of School Northeast Wisconsin Technical Institute District # 13

Space	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Total Student Stations
A. Classrooms SEE PAGE Va.				
1.				
2.				
3.				
4.				
B. Laboratories - Function SEE PAGE Vb.				
1.				
2.				
3.				
4.				
C. Shops - Function				
1. Auto Body Shop	1		5800	20
2. Diagnostic Bay	1		2000	--
3. Machine Shop, Adv.	1		3150	24
4. Machine Shop, Basic	1		3550	24
5. Apprenticeship Room	1		4872	24
6.				
D. Offices SEE PAGE Vc.				
1.				
2.				
3.				
E. Other Instructional - Function				
1. Resource Center			17,386	452
2. Computer Room	1		730	---
F. Non-Instructional Space SEE PAGE Vd.				
1. Heat, power & mech.				
2. Custodial				
3. Toilets				
4. Shower & locker				
5. Corridors				
6.				

TOTAL

I. NET ASSIGNABLE AREA 190,400

II. NON-ASSIGNABLE AREA 89,600

III. GROSS AREA 270,000

IV. TOTAL STUDENT STATIONS 2,594

V. NO. OF STUDENTS TO BE SERVED 2,594

Full-time ________
Part-time ________

Va.

Classrooms	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Student Stations
Tier Classroom	1	988	988	30
Adult Ed. Classroom (multi-purpose)	2	1455	2910	35
Clothing Classroom	1	1044	1044	16
General Classroom	13	880	11440	390
General Classroom	12	800	9600	360
Marketing Classroom	5	864	4320	150
Health Classroom	2	800	1600	60
General Classroom	1	700	700	30
T & I Classroom	6	600	3600	120
T & I Classroom	3	500	1500	72
Computer Classroom	1	900	900	24

Vb.

Laboratories	No. Of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Student Stations
Media Studio			3623	
Police Science	2	966	1938	24
Reading Lab	1		1044	24
Technical Science	1		1368	24
Marketing Lab	1	1782	1782	75
Machine Calculation Lab	1	960	960	24
Shorthand	1	960	960	30
Advanced Typing	2	1080	2160	66
Typing I	1		900	36
Duplication Lab	1		756	16
Accounting Lab	1		960	30
Computer Lab	1		940	24
Key Punch	1		400	24
Clothing Lab	1		1044	16
Child Care Assistant	1		1380	20
Practical Nursing Lab	1		2427	30
Operating Room Assisting Lab	1		2016	24
Medical Assisting Lab	1		1004	12
Micro-Bio Lab	1		1092	12
Dental Assisting Lab	1		1466	24
Dental Operatory	2	240	480	24
Drafting Lab	3	1624	4872	72
Material Testing Lab	1		850	8
Model Building Lab	1		2000	20
Mech. Instrumentation Lab	1		1305	8
Elec. Instrumentation Lab	1		1305	8
Barber Shop	1		2508	18
Welding Lab	1		3400	32
Wood Technics Lab	1		2750	24
Metallurgical Lab	1		900	16
Electricity Lab	1		2208	20
Auto Lab	2	7300	14600	24

Vc.

Office	No. of Rooms	Area Each Sq. Ft.	Total Areas Sq. Ft.	Student Stations
Administration General Office			2367	
Supervisors Assistant Supervisors	6	120	720	
Student Service Office			3325	
Staff Office	55		3888	
Staff Conference Room	6	140	840	
Secretary	1	144	144	
Staff Work Room	1	120	120	
Staff Office	14		1000	
Staff Office	20		1500	
Staff Office	15		1180	
Secretary	3	120	360	
Staff Conference Room	1	250	250	

Vd.

Non-Instructional Space	No. of Rooms	Area Each Sq. Ft.	Total Area Sq. Ft.	Student Stations
Cafeteria & Kitchen			7800	500
Student Center			10200	500
Book Store			1890	
Staff Lounge			621	
Student Change Area			660	
T & I Shop Storage			2800	
Staff Lounge			1148	
Student Activity Office			800	
Change Area			900	
Mechanical			20660	
Circulation			40500	
Toilets			3600	
Storage, Building			6400	

VI

SITE PLAN

Scale 1" = 100 ft.

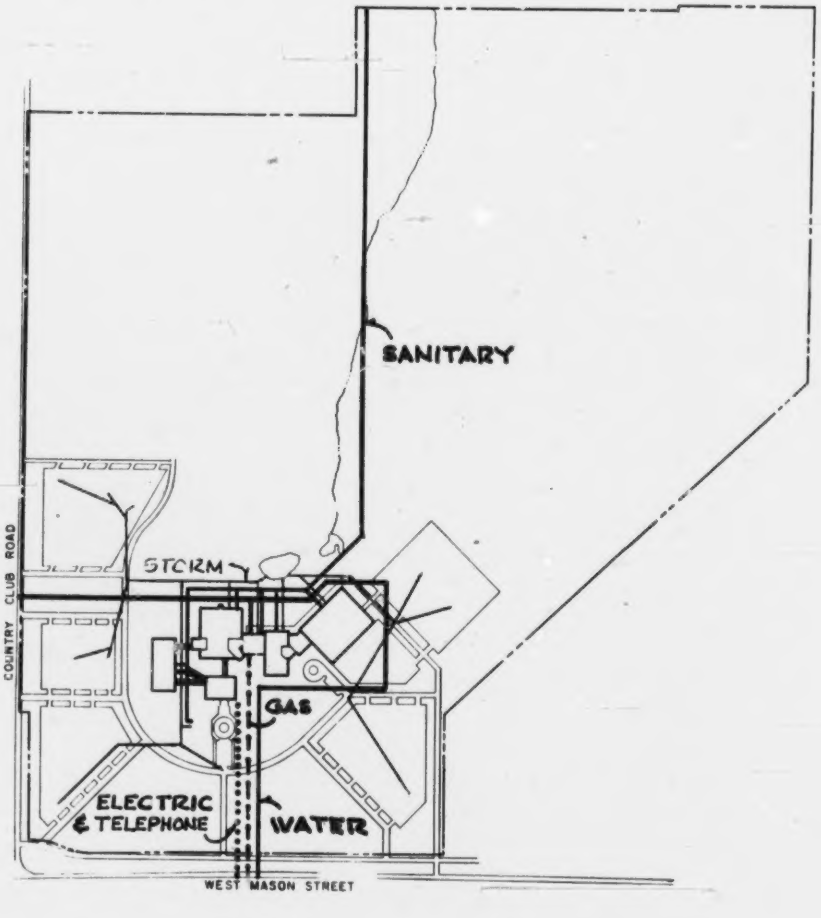
Name of School Northeast Wisconsin Technical Institute **District #** 13

SEE ATTACHED

UTILITY CODE

W ———————— Water Service
San ---------- Sanitary Sewer
St ━━━━━━━━ Storm Sewer
G ■■■■■■■■■■ Gas Service
E .-.-.-.-.-. Electric & Telephone Service

SITE


SANITARY
STORM
COUNTRY CLUB ROAD
GAS
ELECTRIC
& TELEPHONE
WATER
WEST MASON STREET

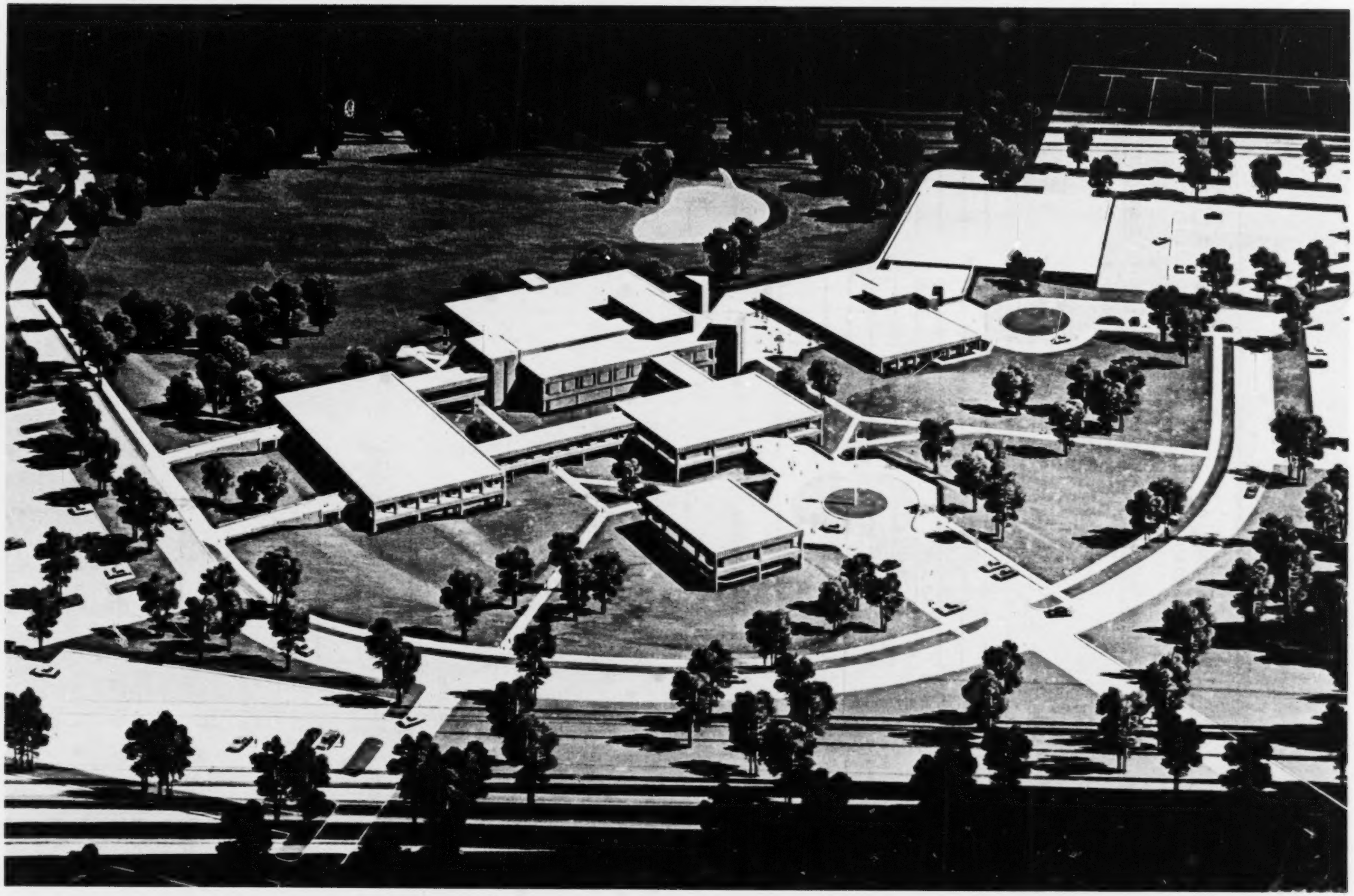
PROJECT BUDGET

Name of School Northeast Wisconsin Technical Institute **District #** 13

Net Assignable Area ______ **Non-Assignable** ______ **Gross Area** ______

% in Non-Assignable Area ______

		Budget Estimate	Cost Per Sq. Ft.	Contract Award
I.	**Construction**			
	A. General construction	3,900,000		4,054,010.00
	B. Plumbing	350,000		371,600.00
	Sheet Metal **C. ~~Heating~~ & ventilating**	400,000		418,000.00
	Heating & **D. Air conditioning**	650,000		729,800.00
	E. Electrical	700,000		738,315.00
	F. Elevator	30,000		38,376.00
	G. Fixed equipment	100,000		95,719.00
	H. Other Carpet	75,000		60,993.00
	I. Metal Lockers	28,000		39,470.00
	J. Kitchen Equipment	35,000		30,903.52
	TOTAL	6,268,000		6,577,186.52
II.	**Site Development**	$ No Break-Out (8% of total)		$ No Break-Out
III.	**Architect Fee** 6 **%**	$ 376,000		$ 394,620.00
IV.	**Clerk of the Works**	$ By Architect		$ By Architect
V.	**Movable Equipment** ___ **%** & Fixed	$ 400,000		$ 250,000
VI.	**Construction Contingency**	$ 400,000		$ 130,000
VII.	**Construction Cost Increase** ___ **%**	$		$
VIII.	**Land Purchase Cost per acre** ___ **X** ___	$ 675,750		$ 675,750
IX.	**Utility Extensions** (No Extension Beyond Site)			
	1. Sewer	$		$
	2. Electrical	$		$
	3. Streets, etc.	$		$
X.	**Demolition**	$ None		$ None
XI.	**Total Project Cost**	$		$



NORTHEAST WISCONSIN TECHNICAL INSTITUTE

Green Bay

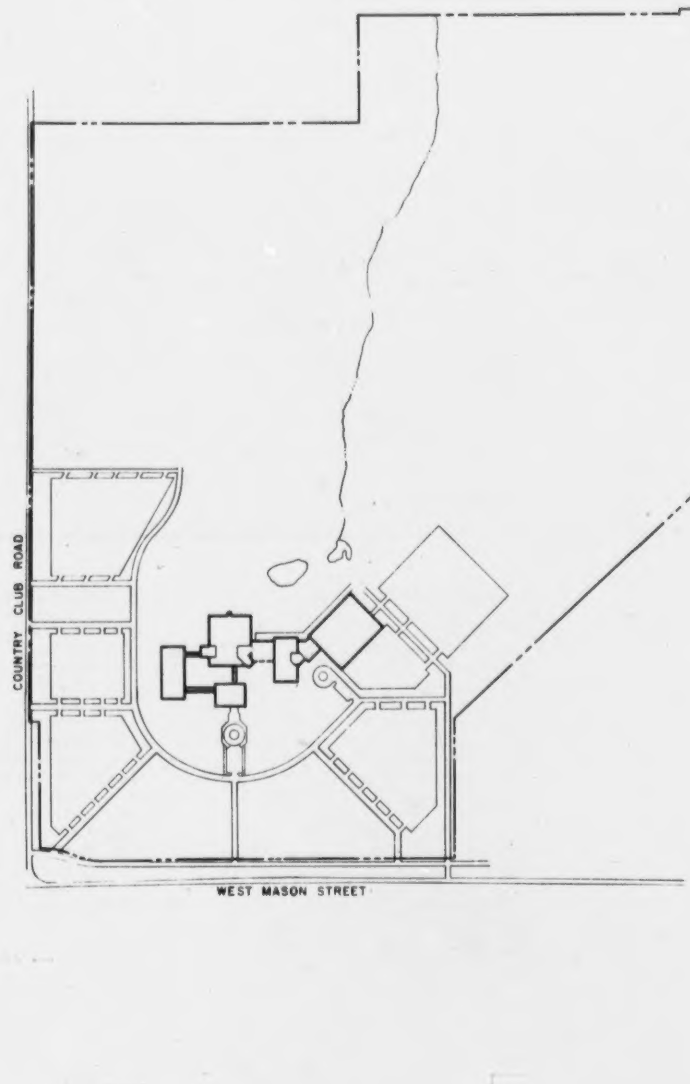
Director

K. W. Haubenschild

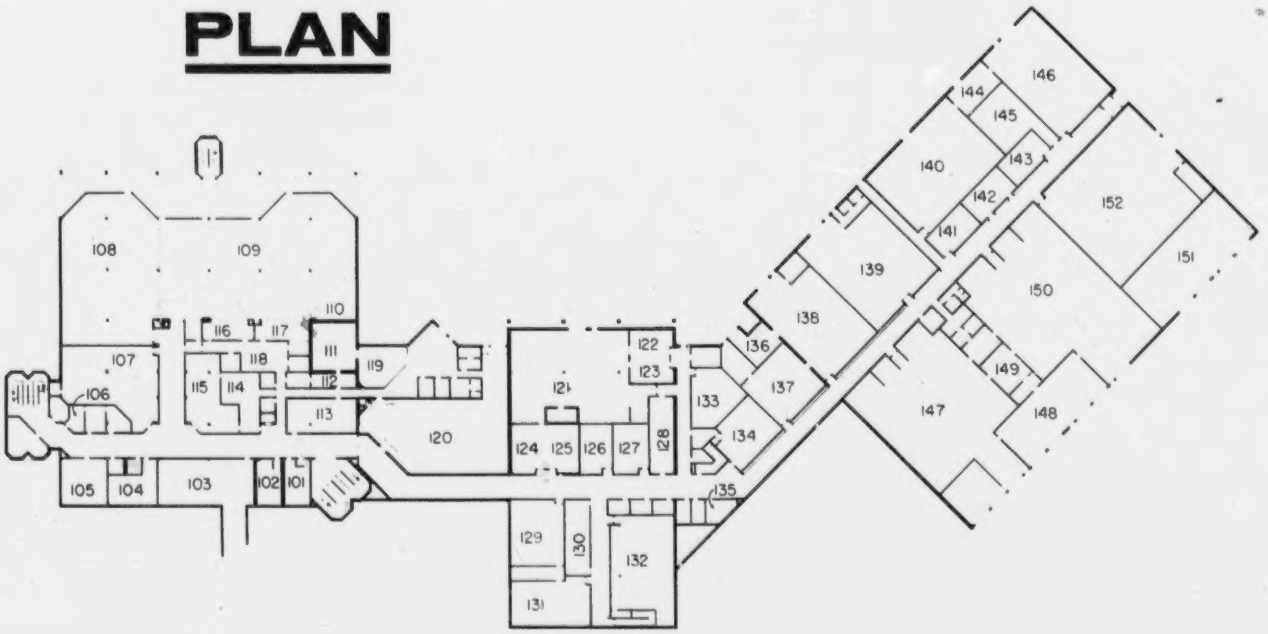
Architect

BERNERS, SCHOBER & KILP
ARCHITECTS — ENGINEERS
GREEN BAY, WISCONSIN

SITE


COUNTRY CLUB ROAD
WEST MASON STREET

PLAN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FIRST LEVEL

3. STUDENT SERVICES

101. Women
102. Men
103. Mechanical Room
104. Staff Lounge
105. Building Storage
106. Student Office Area
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108. Student Lounge
109. Cafeteria
110. Dining Area
111. T.V. Media Studio
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115. Book Store
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117. Serving
118. Kitchen

4. TRADE & INDUSTRY

119. Storage
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5. TRADE & INDUSTRY

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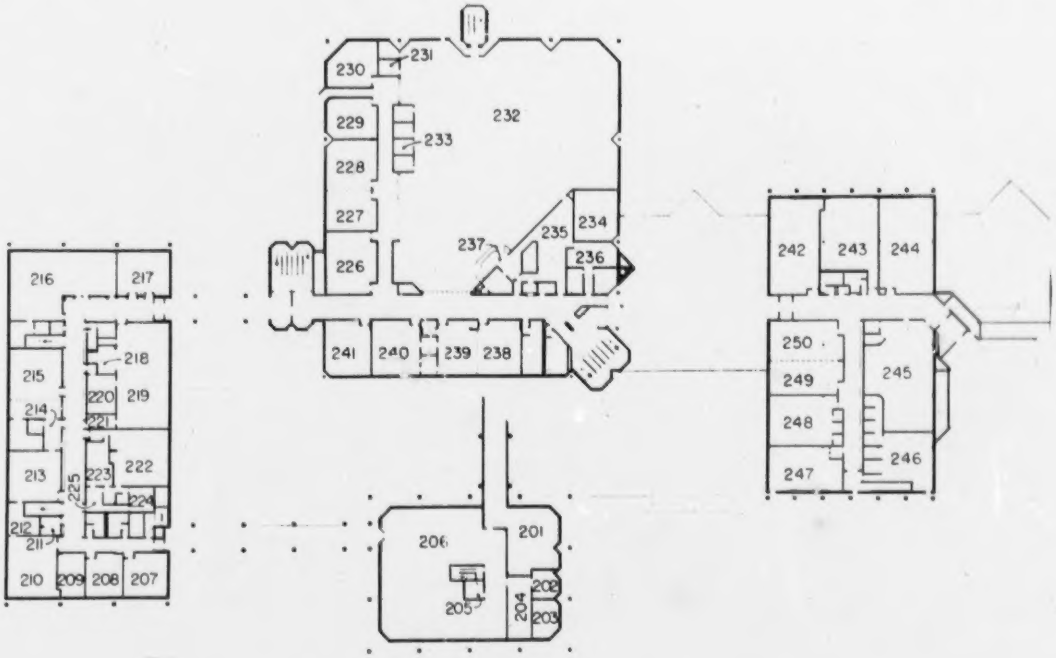
152. Auto Body & Storage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SECOND LEVEL

1. SERVICE

201. Mechanical Equip.
202. Emergency Gen.
203. Transformer Vault
204. Communications
205. Communications
206. Storage

2. HEALTH

207. Gen. Classroom
208. Health Occupations Classroom
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211. Conference Room
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239. Crime Research Lab.
240. Technical Science Lab.
241. Tier Classroom

4. T&I — HOME ECONOMICS

242. Mechanical Design
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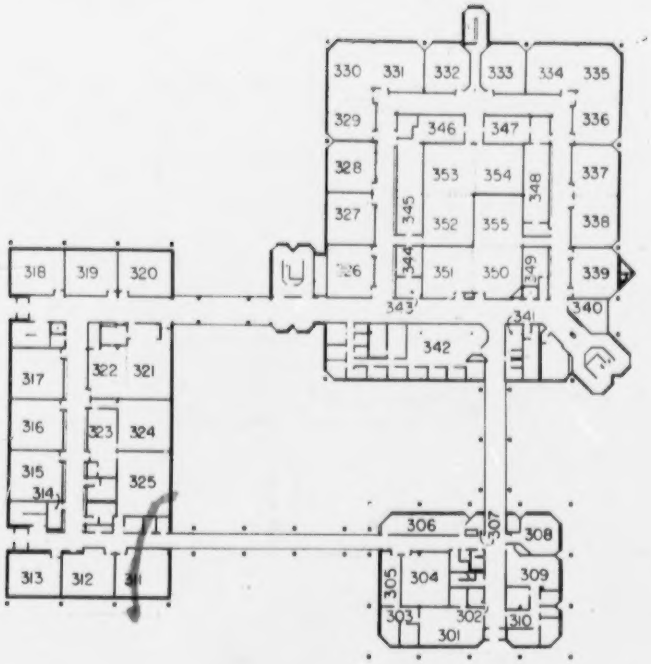
247. Child Care Assist.
248. Multi-Purpose
249. Clothing Classroom
250. Clothing Lab.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302
310
301

THIRD LEVEL

1. ADMINISTRATION

301. Computer Lab.
302. Office Area
303. Computer Operations
304. Lab. & Work Room
305. Key Punch
306. Staff Offices
307. Conference Room
308. General Classroom
309. General Office
310. Admin. Office Area

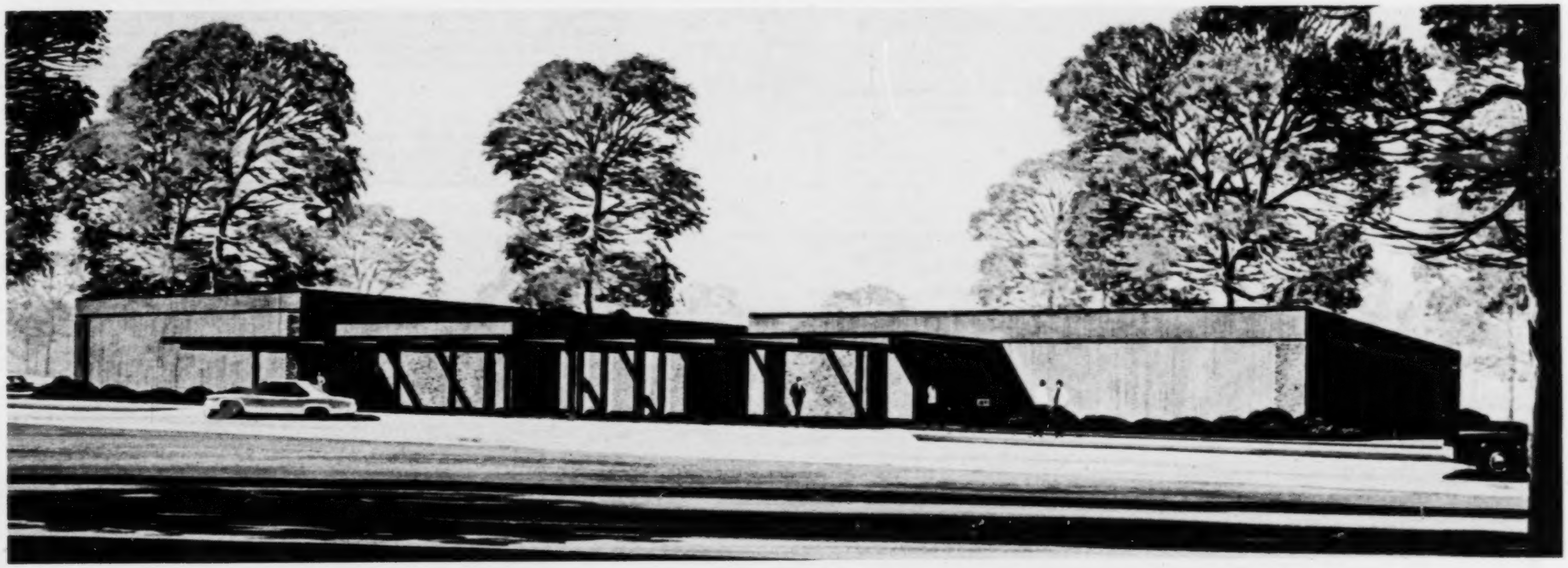
2. BUSINESS

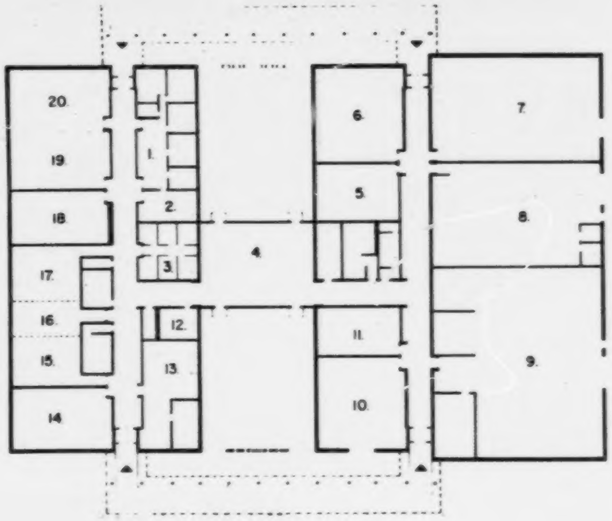
311. Typing I Lab.
312. Business & Marketing Classroom
313. Business & Marketing Classroom
314. Conference & Class Prep.
315. Accounting Lab.
316. Shorthand Classroom
317. Machine Calc. Lab.
318. Staff Office Area
319. Business & Marketing Classroom
320. Business & Marketing Classroom
321. Marketing Lab.
322. Marketing Classroom
323. Duplication Lab.
324. Advanced Typing Lab.
325. Advanced Typing Lab.

3. ACADEMIC

326. Gen. Classroom
327. Gen. Classroom
328. Gen. Classroom
329. Gen. Classroom
330. Gen. Classroom
331. Gen. Classroom
332. Gen. Classroom
333. Gen. Classroom
334. Gen. Classroom
335. Gen. Classroom
336. Gen. Classroom
337. Gen. Classroom
338. Gen. Classroom
339. Gen. Classroom
340. Staff Lounge
341. Student Health Rooms
342. Counselor Office Area
343. Conference Room
344. Staff Office Area
345. Staff Office Area
346. Staff Office Area
347. Staff Office Area
348. Staff Office Area
349. Mechanical Equip.
350. Gen. Classroom
351. Gen. Classroom
352. Gen. Classroom
353. Gen. Classroom
354. Gen. Classroom
355. Gen. Classroom

NORTHEAST WISCONSIN VOCATIONAL AND TECHNICAL SCHOOL
Marinette





PLAN

NWVTS — Marinette

1. General Office Area
2. Conference Room
3. Staff Offices
4. Student Center
5. T & I Classroom
6. Drafting Lab.
7. Machine Shop
8. Welding Shop
9. Auto Mechanics Shop
10. Apprentice Workshop
11. Apprentice General Classroom
12. Staff Lounge
13. Mechanical Room
14. Accounting Lab.
15. Typing Lab.
16. Typing Lab.
17. Short Hand Lab
18. General Classroom
19. General Classroom
20. General Classroom

CONCEPT

Northeast Wisconsin Vocational & Technical School — Marinette, as a supporting school, must serve the needs of the local population with terminal programs designed to provide the specialization required for local employment. With diversified business and industry, such as those found in Marinette, the current educational programs are designed to provide the required localized support. The continued development of new as well as improvement of the existing programs attuned to local needs will most certainly be the mark of success and the key to the growth of vocational education in the future at the Marinette school.

THE PLAN

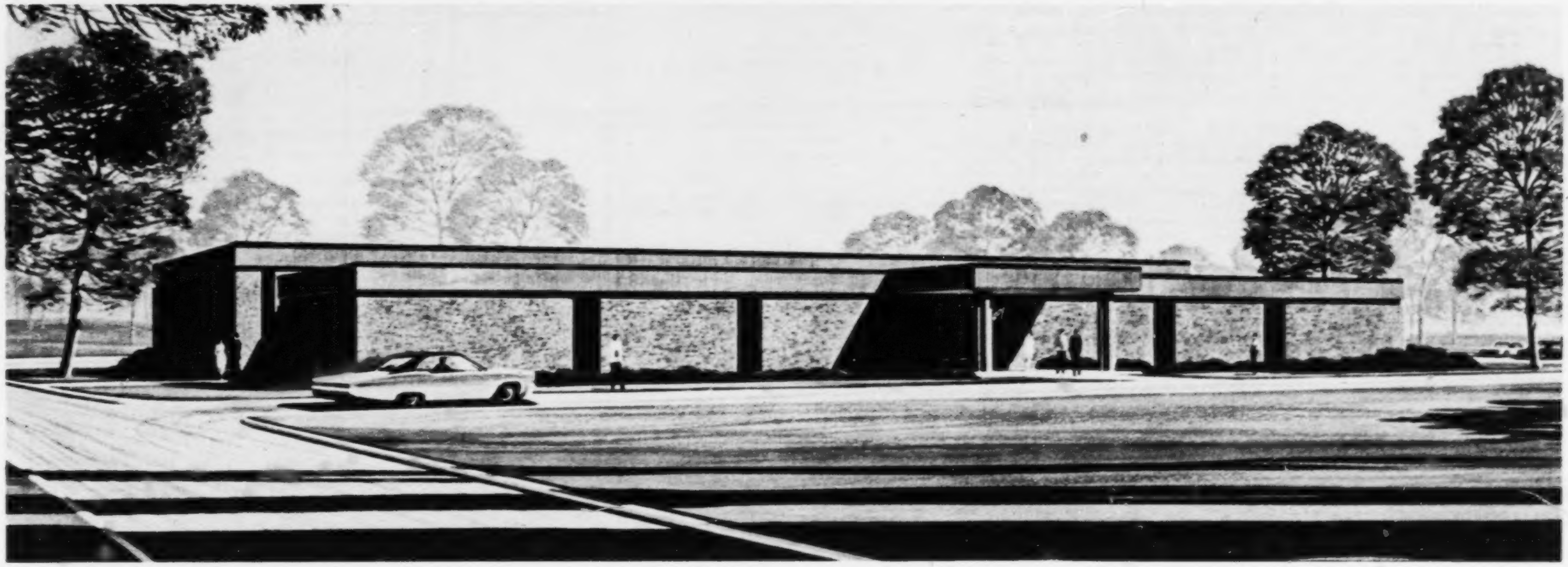
The building specifications were given the same precise attention as those for the comprehensive school in Green Bay. Instructors, administrators, advisory committees and architect were involved in the planning and the design. The requirements of design were outlined to allow for approximately a 200 per cent increase over present enrollments. The plan permits for program development and student increases. The building is to be flexible within to adjust to the changing focus of vocational education. Additionally it is expandable so that it can continue to meet the various needs of the supporting community.

THE SITE

Site for the school was made available, at no cost to District 13, through the joint efforts of the City of Marinette and the County of Marinette. The property is composed of 40 acres at the corner of University Drive and Pierce Avenue. The structure is "U"-shaped with the general classrooms, offices and student center in the left wing and the shops, drafting room, and Trades and Industry classrooms located in the right wing separated by the service area in the center. The building has a gross area of 29,500 square feet. The school will be equipped for approximately 150 to 200 full-time students.

NORTHEAST WISCONSIN VOCATIONAL AND TECHNICAL SCHOOL

Sturgeon Bay



CONCEPT

Northeast Wisconsin Vocational & Technical School — Sturgeon Bay, as a supporting school, must serve the needs of the local population with terminal programs designed to serve local market needs. The school's changing role is anchored in its diesel mechanics offerings which constitute a terminal, vocationally oriented program. The shipbuilding orientation of the community may mean that future program developments should be geared to meet those kinds of needs. Training on marine power plants, marine drafting, navigation, cargo handling, and similar subjects may become industrial needs of the future.

THE PLAN

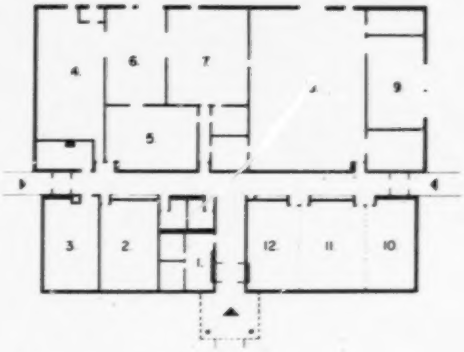
The building specifications were given the same precise attention as those for the comprehensive school in Green Bay. Instructors, administrators, advisory committees and architect were involved in the planning and design. Its capacity was designed to adjust to the changing concepts of vocational education as well as the various needs of the supporting community.

THE SITE

Site for the school was made available, at no cost, to District 13, by the City of Sturgeon Bay. The property is composed of 10 acres of land on 14th Avenue adjacent to the Sturgeon Bay High School. The structure is in the form of an "H" with shops in the right wing and the classrooms and offices in the left wing. The building will have a gross area of 18,600 square feet. The school will be equipped for approximately 100 full-time students.

NWVTS — Sturgeon Bay

1. General Office Area
2. Drafting Lab.
3. Mechanical Room
4. Welding Lab.
5. Wood Lab.
6. General Lab.
7. Machine Shop
8. Diesel Lab.
9. Storage
10. Apprentice Classroom
11. General Classroom
12. General Classroom



PLAN

CONSTRUCTION PROJECT ANALYSIS

NAME OF SCHOOL GATEWAY TECHNICAL INSTITUTE DISTRICT # GATEWAY

LOCATION KENOSHA, WIS.

AREA DIRECTOR KEITH W. STOEHR

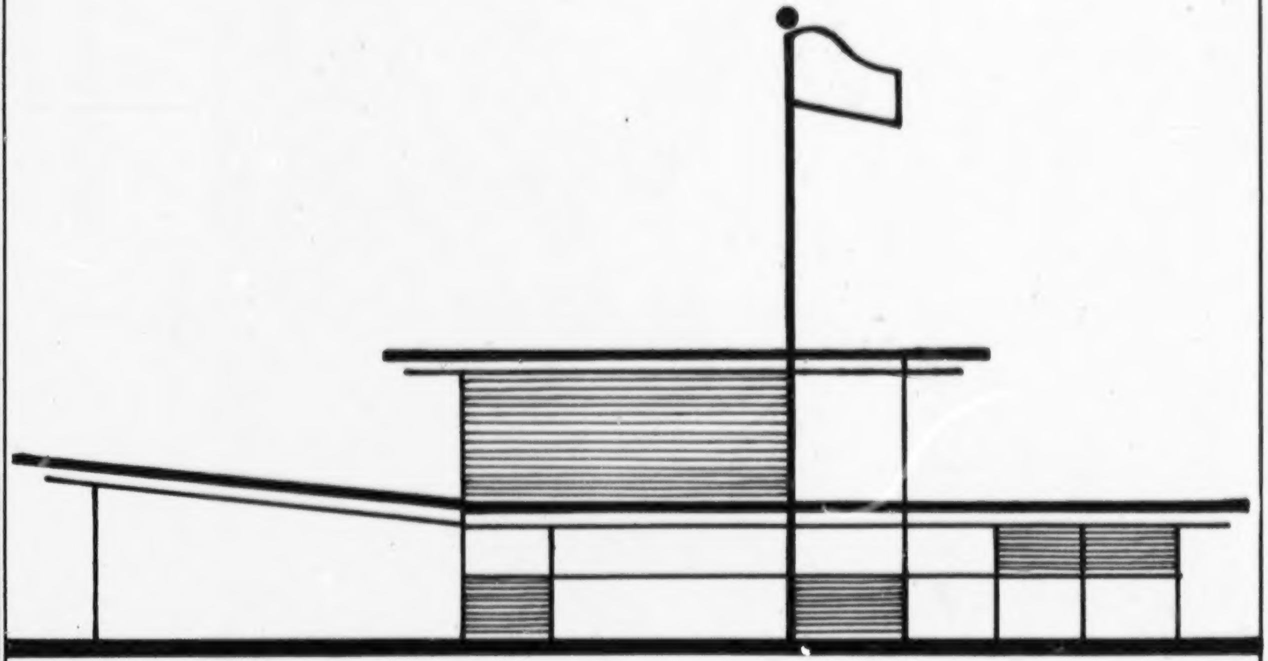
PROJECT NO. DATE 1965

ARCHITECT SCHUTTE-MOCHON ARCH. & ENG.

Student Cap. 2098

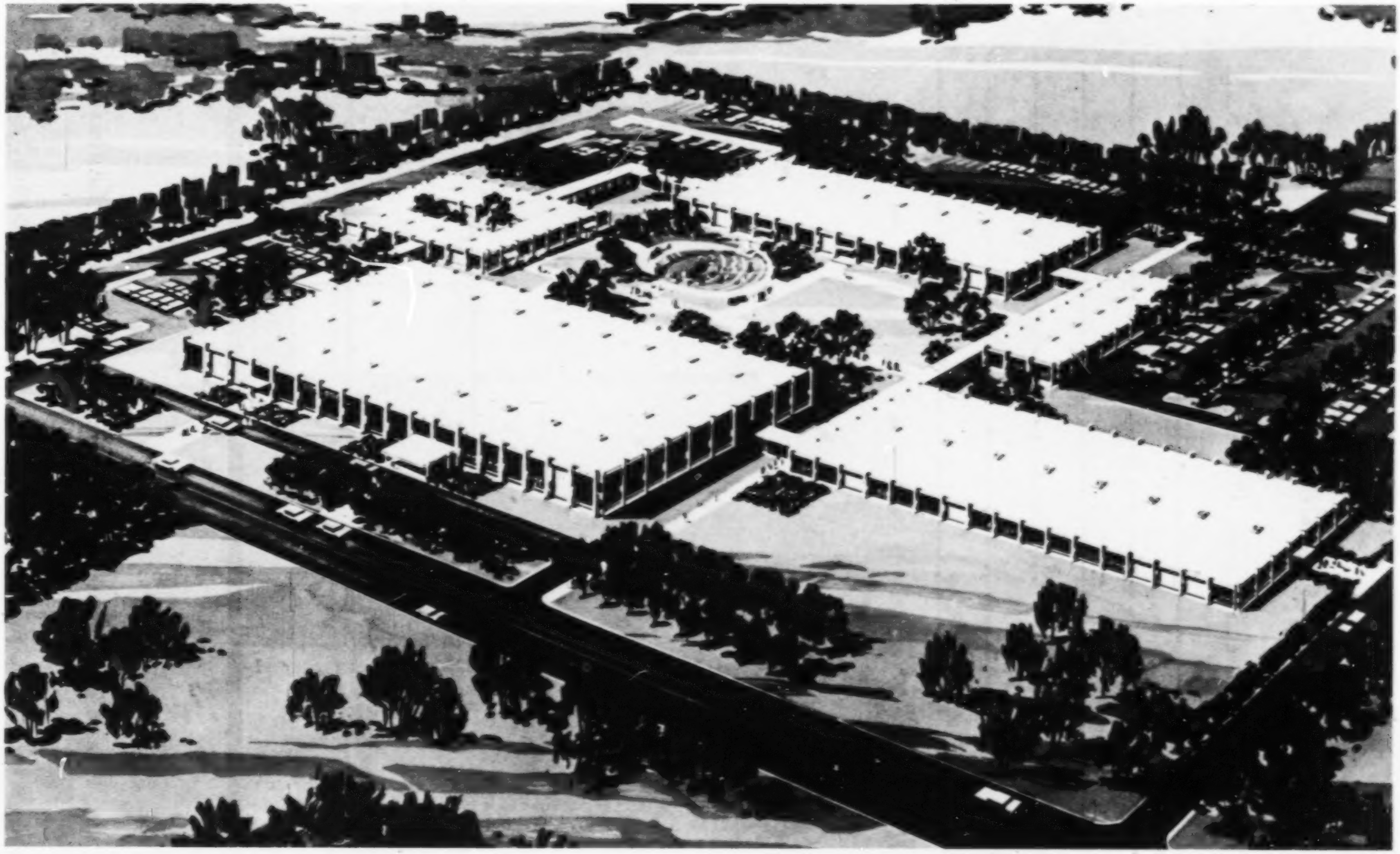
Size ' 193,700

Cost $3,897,130.00



Wisconsin Board of Vocational, Technical and Adult Education

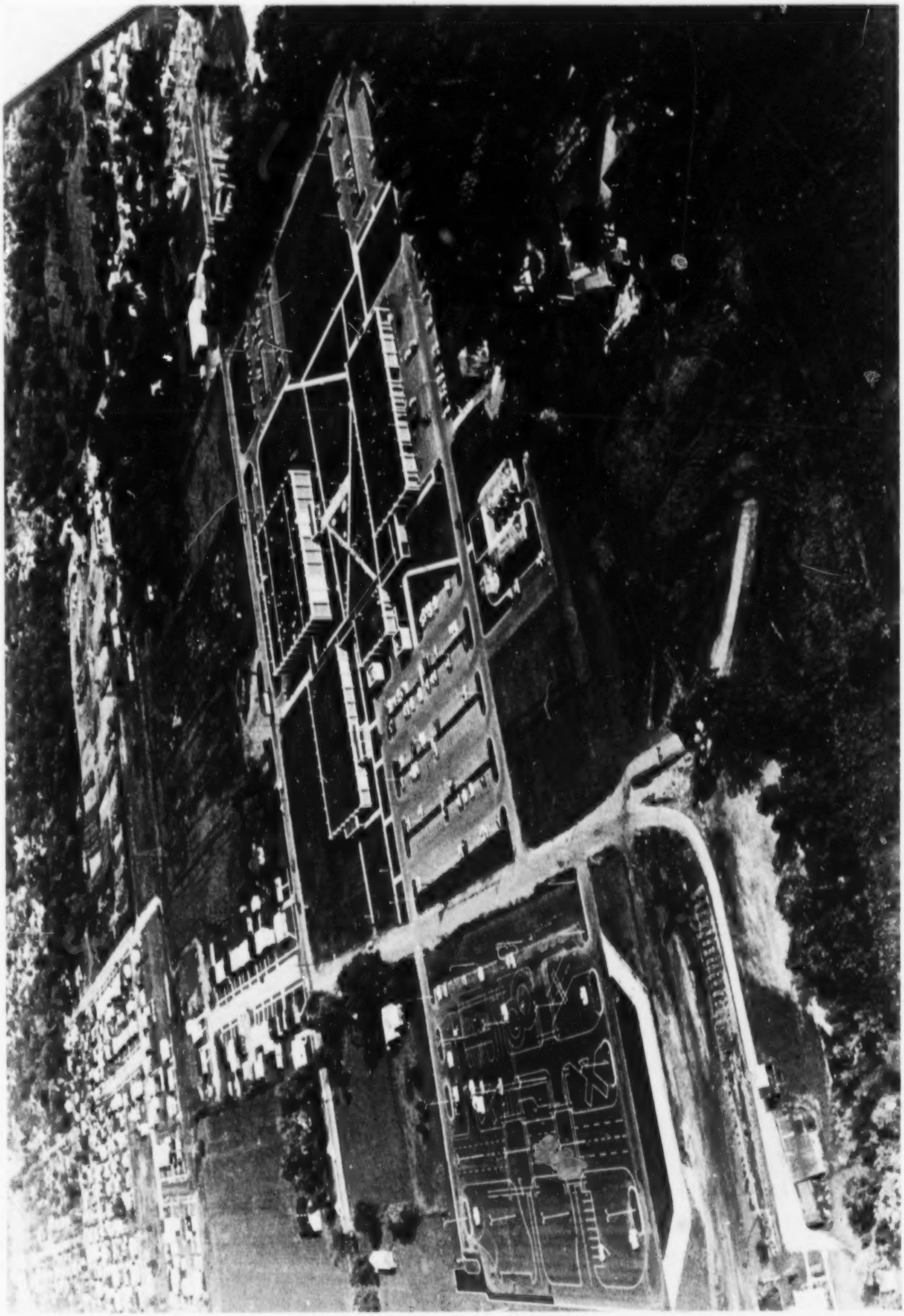
Madison, Wisconsin Eugene Lehrmann, Director



KENOSHA TECHNICAL INSTITUTE KENOSHA WISCONSIN

ARCHITECT

Schutte - Phillips - Machon
Architects - Planners - Engineers
Milwaukee - Appleton - Kenosha



KENOSHA TECHNICAL INSTITUTE

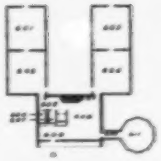
FLOOR PLANS AND INDEX OF ROOM NUMBERS

Science Building

First Floor
301 Corridor
302 Corridor
303 Passage
304 Passage
305 Entry
306 Vestibule
307 Staff Lounge
308 Stair
309 Office
310 Planning Room
311 Coordinator
312 Conference Room
313 Storage
314 Drafting Room
315 Drafting Room
316 Blueprinting Room
317 Dark Room
318 Electricity & Electronics Lab
319 Project Lab
320 Service Room
321 Science Lab
322 Science Lab
323 Project Lab
324 Women's Toilet
325 Janitors Closet
326 Mens Toilet
327 Physics Lab
328 Medical Lab
328A Autoclave & Instr. Prep.
329 Dental Lab
329A Reception Room
329B Operatory Room
329C Operatory Room
329D Plaster Room
330 Classroom
331 Classroom
333 Clothing Lab
334 Clothing Lab
335 Cafeteria
336 Food Lab
337 Food Lab
338 Student Center

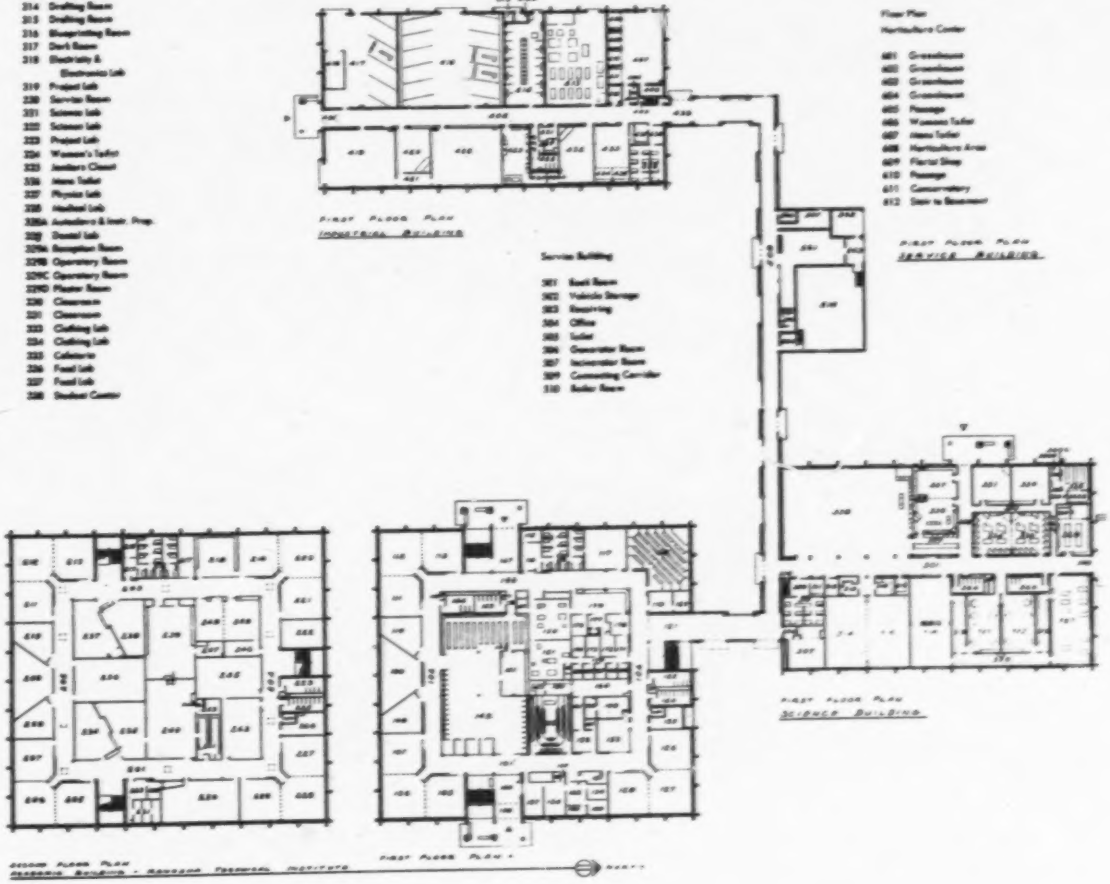
Industrial Building

First Floor
401 South Entry
402 Corridor
403 Stair
404 Service Closet
405 Womens Toilet
406 Storage
407 Const. Trades & Apprenticeship Lab
408 Carpenters Lab
409 Painters Lab
410 Plumbers Lab
411 Steamfitters Lab
412 Conference
413 Machine Lab
414 Welding Lab
415 Oxygen Storage
415A Acetylene Storage
416 Auto Mechanics Lab
417 Auto Body Lab
418 Spray Booth
419 Fluid Power & Maint. Lab
420 Classroom
421 Storage
422 Fluid Power & Maint. Lab
423 Material Testing
424 Storage
424A Storage
425 Mens Toilet
426 Service Room
427 Locker Room
428 Shower
429 Dressing
430 Passage
431 Conference Room
432 Classroom
433 Apprenticeship Lab (Primarily Serving Barber & Cosmetology & Classroom Activities for Machine Apprentices)
434 Cosmetology
435 Barber
436 Planning
437 Coordinator
438 Reception
439 West Entry
440 Storage Closet



Floor Plan
Horticulture Center

601 Greenhouse
602 Greenhouse
603 Greenhouse
604 Greenhouse
605 Passage
606 Womens Toilet
607 Mens Toilet
608 Horticulture Area
609 Florist Shop
610 Passage
611 Conservatory
612 Stair to Basement



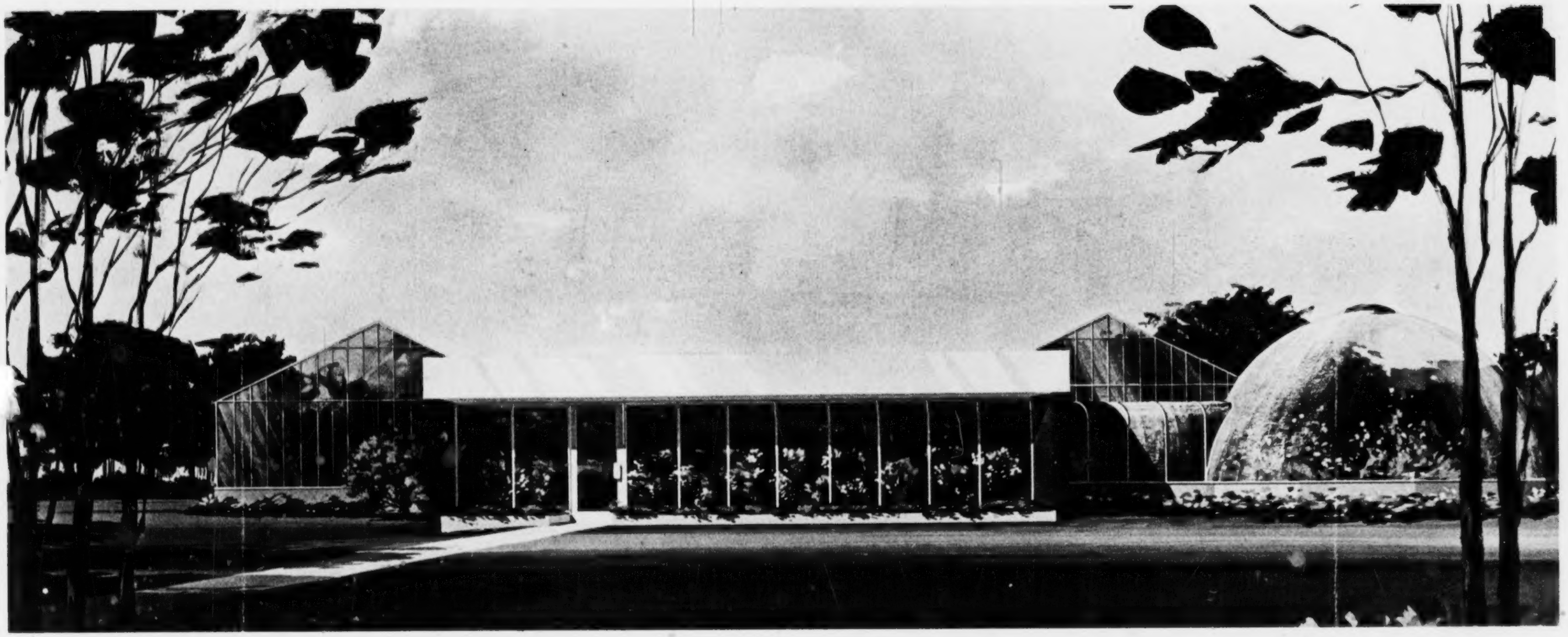
Service Building

501 Boat Room
502 Vehicle Storage
503 Receiving
504 Office
505 Toilet
506 Generator Room
507 Incinerator Room
509 Connecting Corridor
510 Boiler Room

Academic Building

First Floor
101 East Corridor
102 South Corridor
103 West Corridor
104 North Corridor
105 Classroom
106 Classroom
107 Classroom
108 Classroom
109 General Lecture Room
110 Classroom
111 Classroom
112 Classroom
113 Classroom
114 Office
115 Coordinator
116 Planning Office
117 Mathematics
118 Science Lecture Room
119 Business Manager
120 Finance
121 Lobby
122 Mens Toilet Room
123 Janitors Closet
124 Womens Toilet Room
125 Janitor and Storage Room
126 Classroom
127 Classroom
128 Classroom
129 Administrative Office
130 Administrative Office
131 Visitors Wardrobe
132 Secretary
133 Storage
134 Director's Office
135 Telephone Booth
136 Toilet Room
137 Conference Room
138 Vestibule
139 Lobby
140 Library
141 Work Room
142 Library Stack Room
143 Womens Toilet Room
144 Mens Toilet Room
145 Janitors Closet
146 Telephone Booth
147 Lobby
148 Passage
149 Storage Room
150 Data Processing
151 Data Processing
152 Storage
153 Dark Room
154 Layout Room
155 Adult Conference Center
156 Faculty Information Center
157 Preview
158 Communication
159 Instructional TV Studio
160 Equipment Room
161 Office
164 Graphic Art
165 Office
166 Office
167 Office
168 Office
169 Office
170 Passage
171 Receptionist
172 Student Service
173 Testing
174 Storage
176 Office
177 Work Area
178 Office
179 Student Accounting

Second Floor
201 East Corridor
202 South Corridor
203 West Corridor
204 North Corridor
205 Classroom
206 Classroom
207 Classroom
208 Classroom
209 Classroom
210 Classroom
211 Classroom
212 Classroom
213 Classroom
214 Office
215 Coordinator
216 Planning Office
217 Key Punch Lab
218 Office Machine Lab
219 Accounting Classroom
220 Accounting Classroom
221 Accounting Classroom
222 Conference
223 Mens Toilet Room
224 Janitors Closet
225 Womens Toilet Room
226 Janitor and Storage Room
227 Classroom
228 Classroom
229 Classroom
230 Speech Center
231 Planning Office
232 Coordinator
233 Office
234 Interior Decoration Lab
235 Nursing Classroom
236 Classroom
237 Fashion Lab
238 Marketing
239 Marketing Lab
240 Practical Nursing Lab
241 Locker Room
242 Typing Lab
243 Storage
244 Toilet Room
245 Typing Lab
246 Conference Room
247 Storage
248 Shorthand Lab
249 Shorthand Lab



HORTICULTURE CENTER

KENOSHA TECHNICAL INSTITUTE

VTA District 6

48 Students - 10,000 Sq. Ft. - Cost $165,390

CONSTRUCTION PROJECT ANALYSIS

NAME OF SCHOOL EAU CLAIRE TECHNICAL INSTITUTE DISTRICT # I

LOCATION EAU CLAIRE, WISCONSIN

AREA DIRECTOR CECIL W. BEEDE

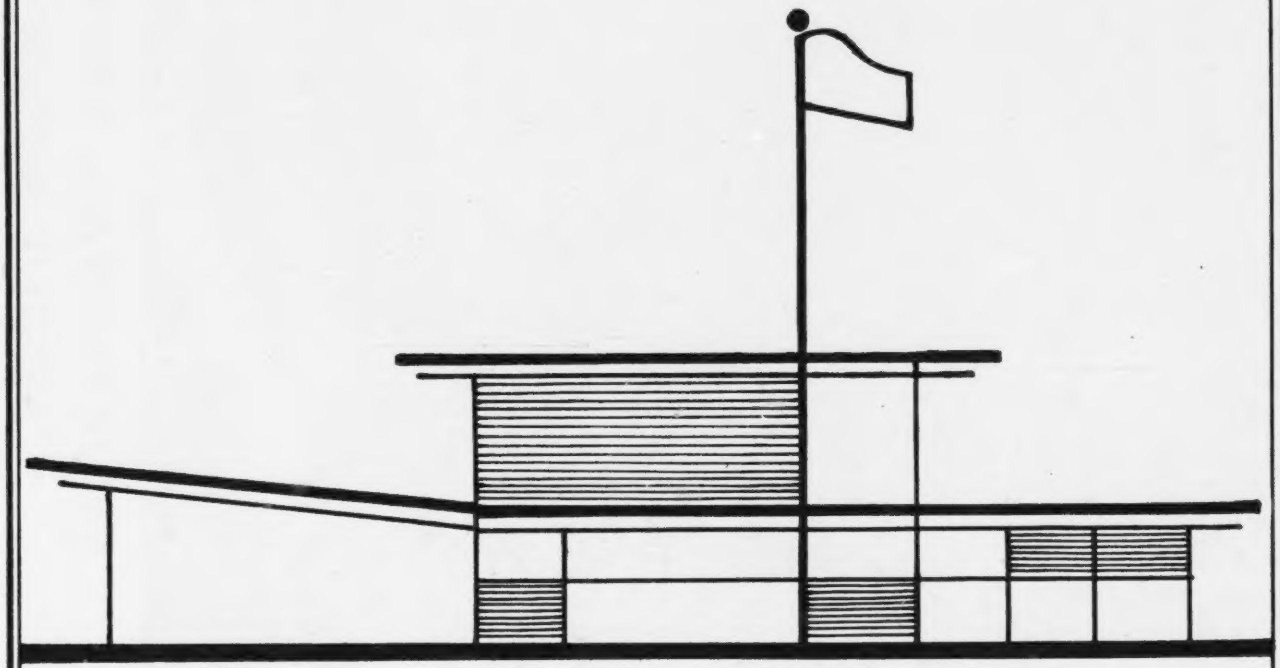
PROJECT NO. 66-10-10 DATE 1965

ARCHITECT E. F. KLINGLER & ASSOC. INC.

Student Cap. 2000

Size ' 183,286

Cost $3,457,997.00

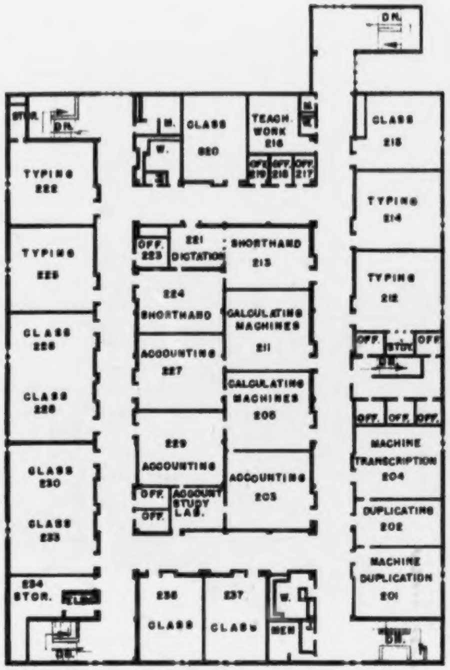


Wisconsin Board of Vocational, Technical and Adult Education

Madison, Wisconsin Eugene Lehrmann, Director

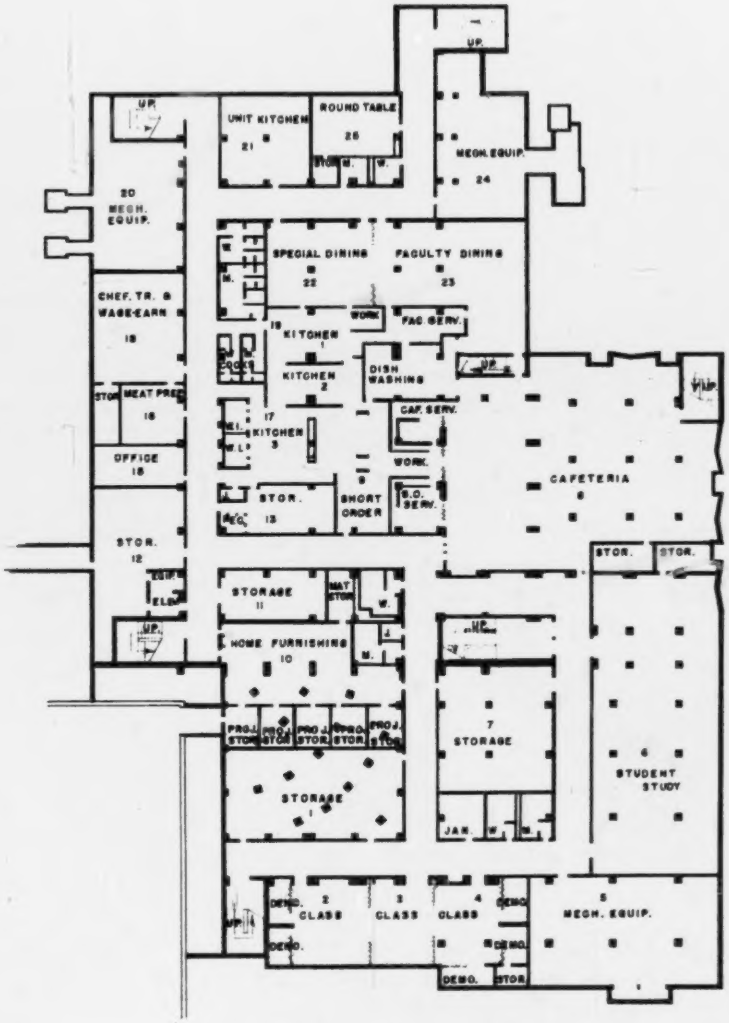
VOCATIONAL, TECHNICAL and
ADULT SCHOOL DISTRICT

EAU CLAIRE, WISCONSIN



DN.
STOR.
TYPING 222
TYPING 225
CLASS 226
CLASS 228
CLASS 230
CLASS 233
234 STOR.
M.
W.
CLASS 220
TEACH. WORK 216
OFF. 219
OFF. 218
OFF. 217
OFF. 223
221 DICTATION
SHORTHAND 213
224 SHORTHAND
CALCULATING MACHINES 211
ACCOUNTING 227
CALCULATING MACHINES 205
229 ACCOUNTING
ACCOUNTING 203
OFF.
ACCOUNT STUDY LAB.
236 CLASS
237 CLASS
MEN
CLASS 215
TYPING 214
TYPING 212
OFF.
MACHINE TRANSCRIPTION 204
DUPLICATING 202
MACHINE DUPLICATION 201

SECOND FLOOR PLAN



UP.
UNIT KITCHEN 21
ROUND TABLE 25
MECH. EQUIP. 24
20 MECH. EQUIP.
SPECIAL DINING 22
FACULTY DINING 23
CHEF. TR. & WAGE-EARN 19
WORK
FAC. SERV.
KITCHEN 1
KITCHEN 2
DISH WASHING
STOR.
MEAT PREP. 16
17 KITCHEN 3
CAF. SERV.
OFFICE 15
WORK
CAFETERIA 8
STOR. 13
SHORT ORDER 9
S.O. SERV.
STOR. 12
ELEV.
STORAGE 11
HOME FURNISHING 10
M.
W.
PROJ. STOR.
7 STORAGE
6 STUDENT STUDY
STORAGE 1
JAN.
DEMO.
2 CLASS
3 CLASS
4 CLASS
5 MECH. EQUIP.

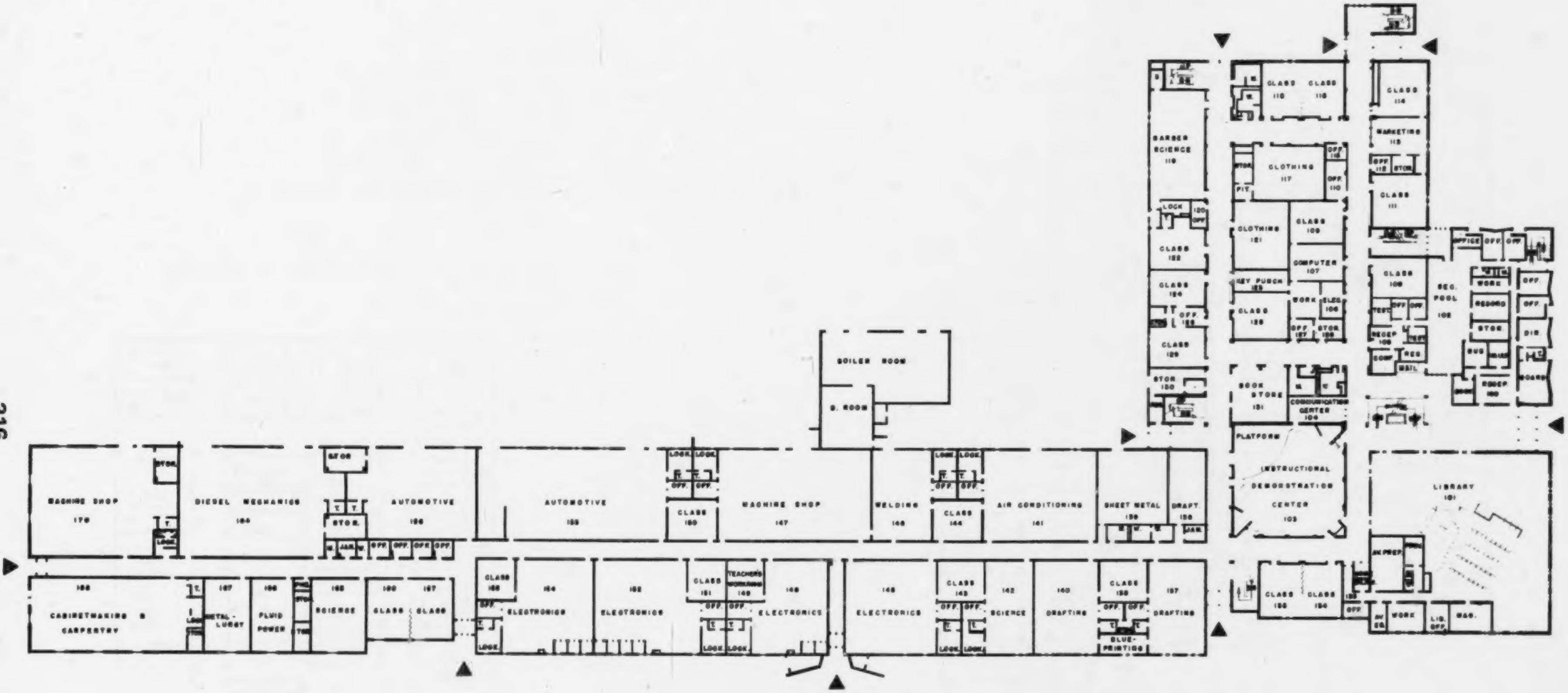
LOWER LEVEL PLAN

BOARD OF VOCATIONAL, TECHNICAL AND ADULT EDUCATION

Ivar A. Walker . . . . President
Frank O. Bartingale . . . . Vice-President
Homer E. Delong . . . . Secretary
Lewis E. Phillips Chauncey Cooke
George Sprague James Sells
Cecil W. Beede, Director

EAU CLAIRE VOCATIONAL, TECHNICAL, & ADULT EDUCATION SCHOOL

EAU CLAIRE, WISCONSIN


MACHINE SHOP 170
DIESEL MECHANICS
AUTOMOTIVE
AUTOMOTIVE
STOR.
CABINETMAKING & CARPENTRY
METAL-LURGY
FLUID POWER
SCIENCE
CLASS
CLASS
ELECTRONICS
ELECTRONICS
ELECTRONICS
ELECTRONICS
TEACHERS WORKROOM
MACHINE SHOP 147
WELDING
AIR CONDITIONING 141
SHEET METAL
DRAFT.
SCIENCE
DRAFTING
DRAFTING
BLUE-PRINTING
BOILER ROOM
B. ROOM
BARBER SCIENCE
CLASS 122
CLASS 124
CLASS 129
STOR 130
CLOTHING 117
CLOTHING 121
KEY PUNCH
COMPUTER 107
WORK
BOOK STORE
COMMUNICATION CENTER 104
PLATFORM
INSTRUCTIONAL DEMONSTRATION CENTER 103
CLASS 114
MARKETING
CLASS 111
SEC. POOL
OFFICE
RECORD
STOR.
RECEP
DIR.
BOARD
LIBRARY 101
AV PREP
WORK
LIB. OFF.
MAG.

FIRST FLOOR PLAN

EAU CLAIRE VOCATIONAL, TECHNICAL, & ADULT EDUCATION SCHOOL

EAU CLAIRE, WISCONSIN

CONSTRUCTION PROJECT ANALYSIS

NAME OF SCHOOL BEAVER DAM WEST BEND DISTRICT # MORAINE

PARK V.T.A.E. DISTRICT

LOCATION BEAVER DAM & WEST BEND

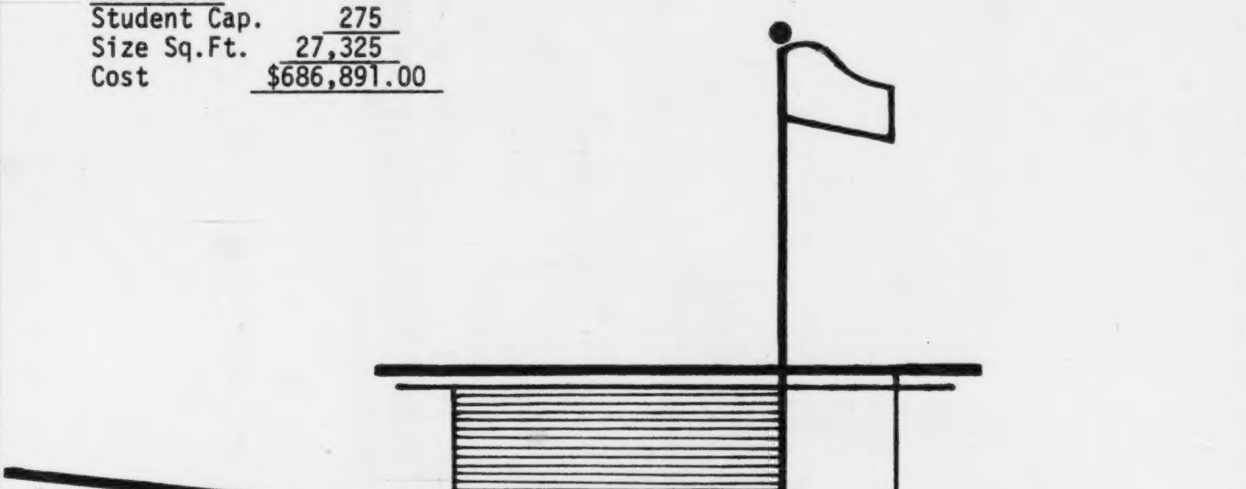
AREA DIRECTOR ROBERT P. SORENSEN

PROJECT NO. DATE 1967-60

ARCHITECT DURRANT DEININGER, DOMMER-KRAMER, GORDON MARK F. PFALLER ASSOCIATES INC.

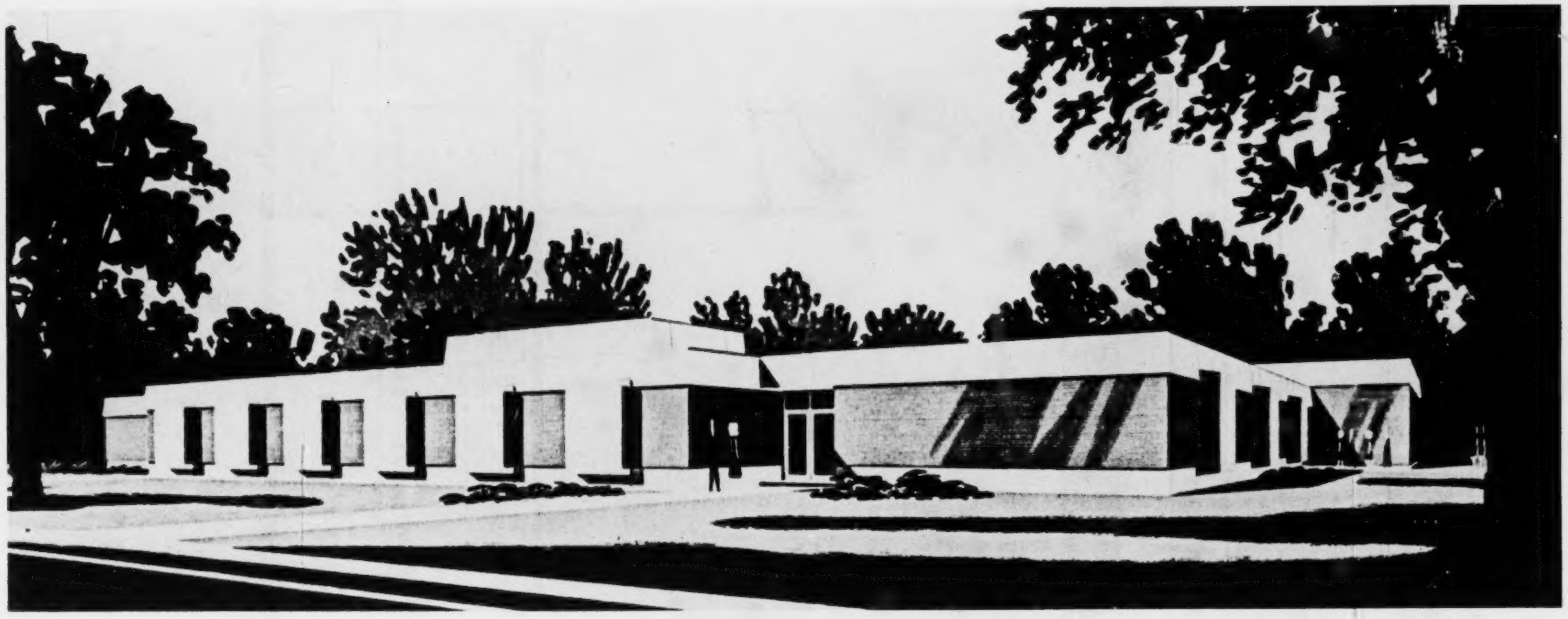
BEAVER DAM	
Student Cap.	295
Size Sq.Ft.	30,596
Cost	$608,696.00

WEST BEND	
Student Cap.	275
Size Sq.Ft.	27,325
Cost	$686,891.00



Wisconsin Board of Vocational, Technical and Adult Education

Madison, Wisconsin Eugene Lehrmann, Director

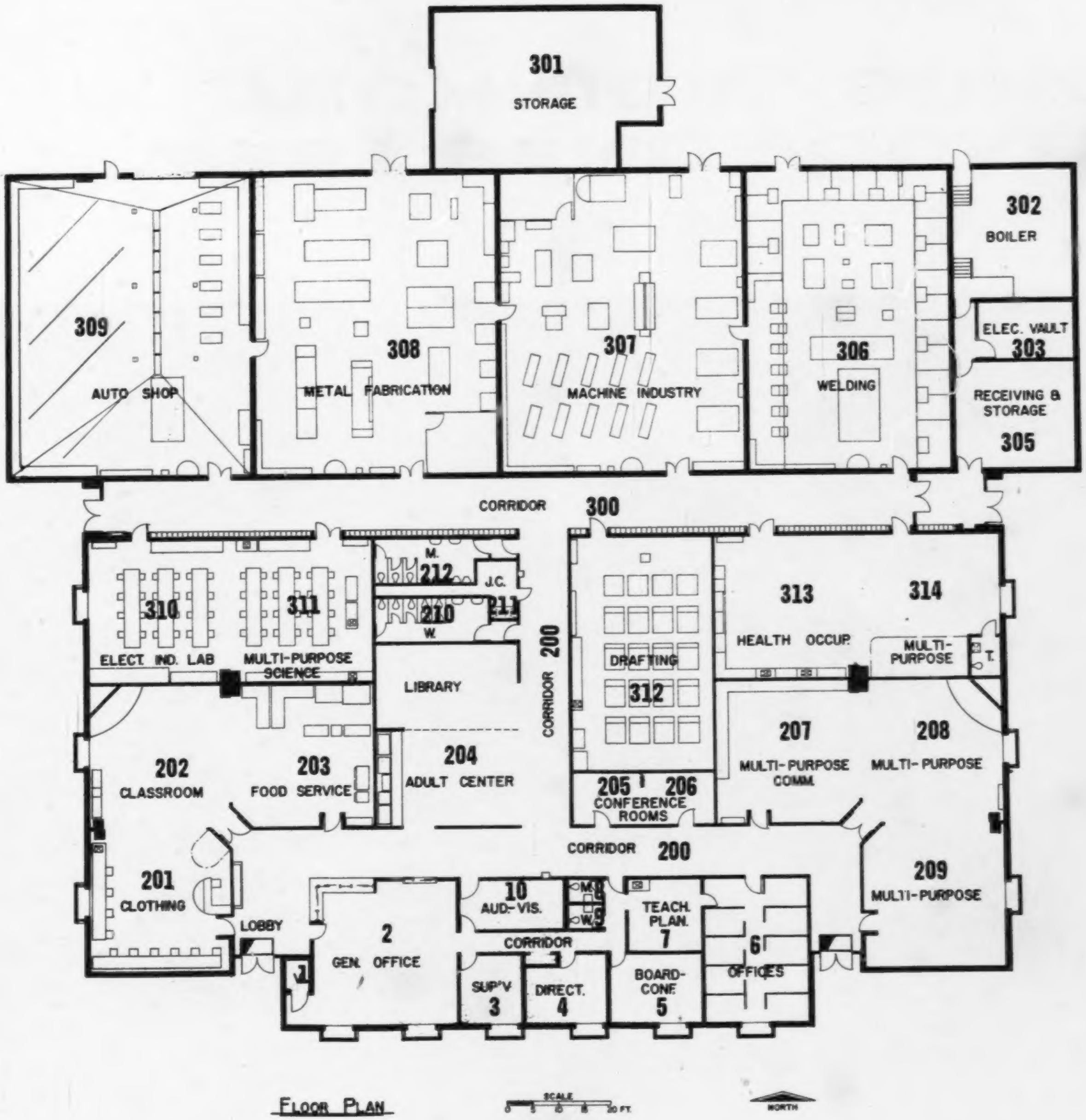


VOCATIONAL, TECHNICAL & ADULT SCHOOL
700 Gould Street
(2 Blocks north of Hwy 33 and 151 Junction)
Beaver Dam, Wisconsin 53916

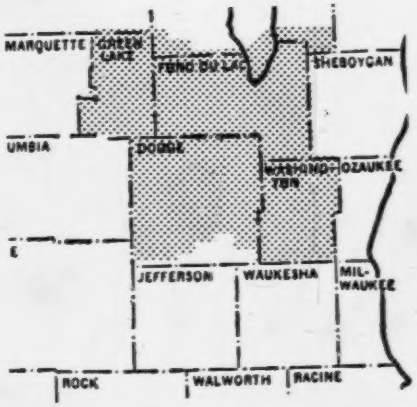
30,596 Square Feet

Building Cost $608,696
Total Project $850,000

DURRANT - DEININGER - DOMMER - KRAMER - GORDON
Architects - Engineers, Watertown, Wisconsin

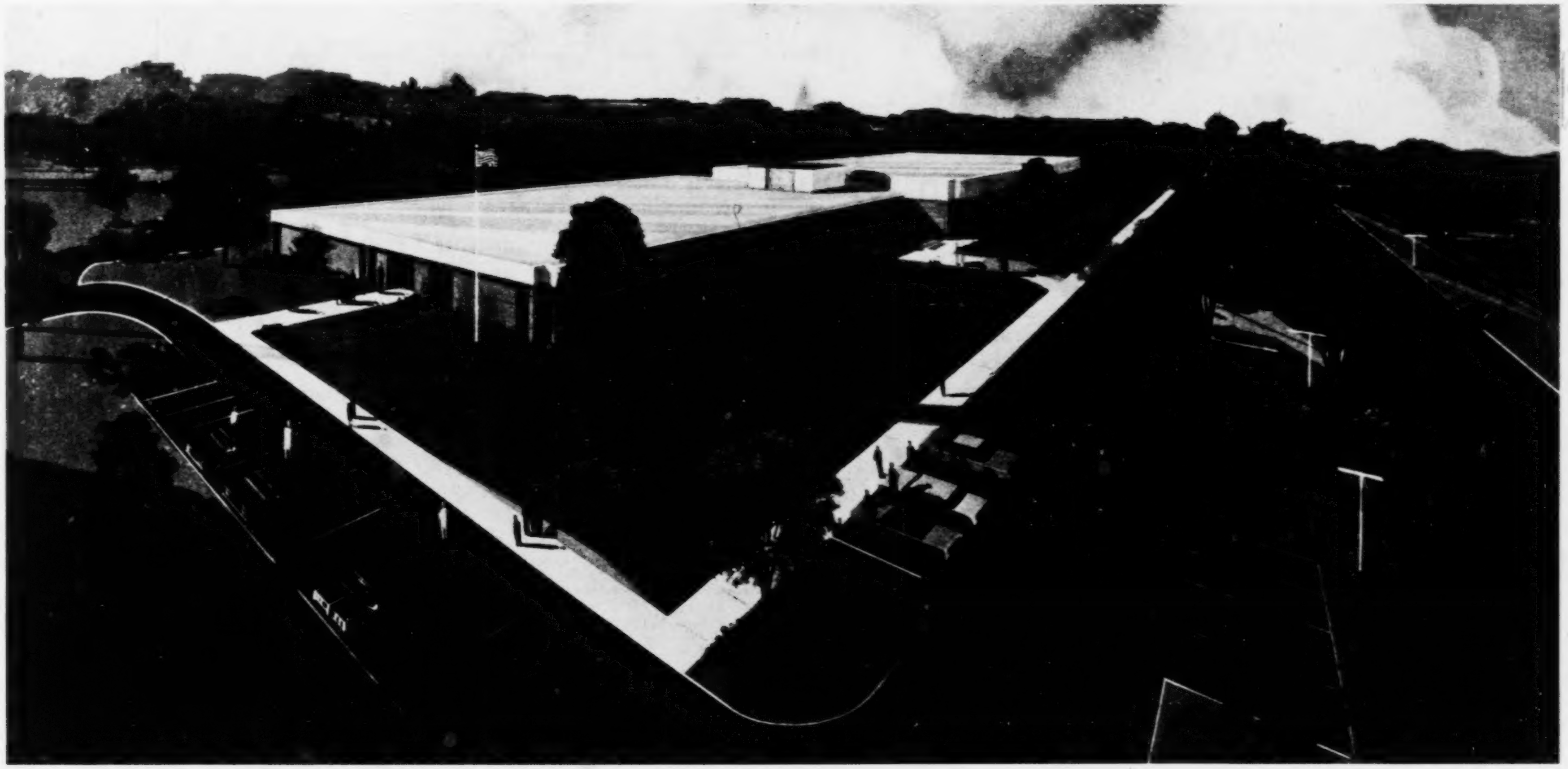

301
STORAGE
302
BOILER
ELEC. VAULT
303
RECEIVING & STORAGE
305
309
AUTO SHOP
308
METAL FABRICATION
307
MACHINE INDUSTRY
306
WELDING
CORRIDOR
300
M.
212
J.C.
211
210
W.
310
ELECT. IND. LAB
311
MULTI-PURPOSE SCIENCE
LIBRARY
CORRIDOR
200
DRAFTING
312
313
314
HEALTH OCCUP.
MULTI-PURPOSE
T.
202
CLASSROOM
203
FOOD SERVICE
204
ADULT CENTER
205
206
CONFERENCE ROOMS
207
MULTI-PURPOSE COMM.
208
MULTI-PURPOSE
CORRIDOR
200
209
MULTI-PURPOSE
201
CLOTHING
LOBBY
1
2
GEN. OFFICE
10
AUD.-VIS.
M.
W.
CORRIDOR
SUP'V
3
DIRECT.
4
TEACH. PLAN.
7
BOARD-CONF.
5
6
OFFICES
SCALE
0 5 10 15 20 FT.
NORTH

FLOOR PLAN

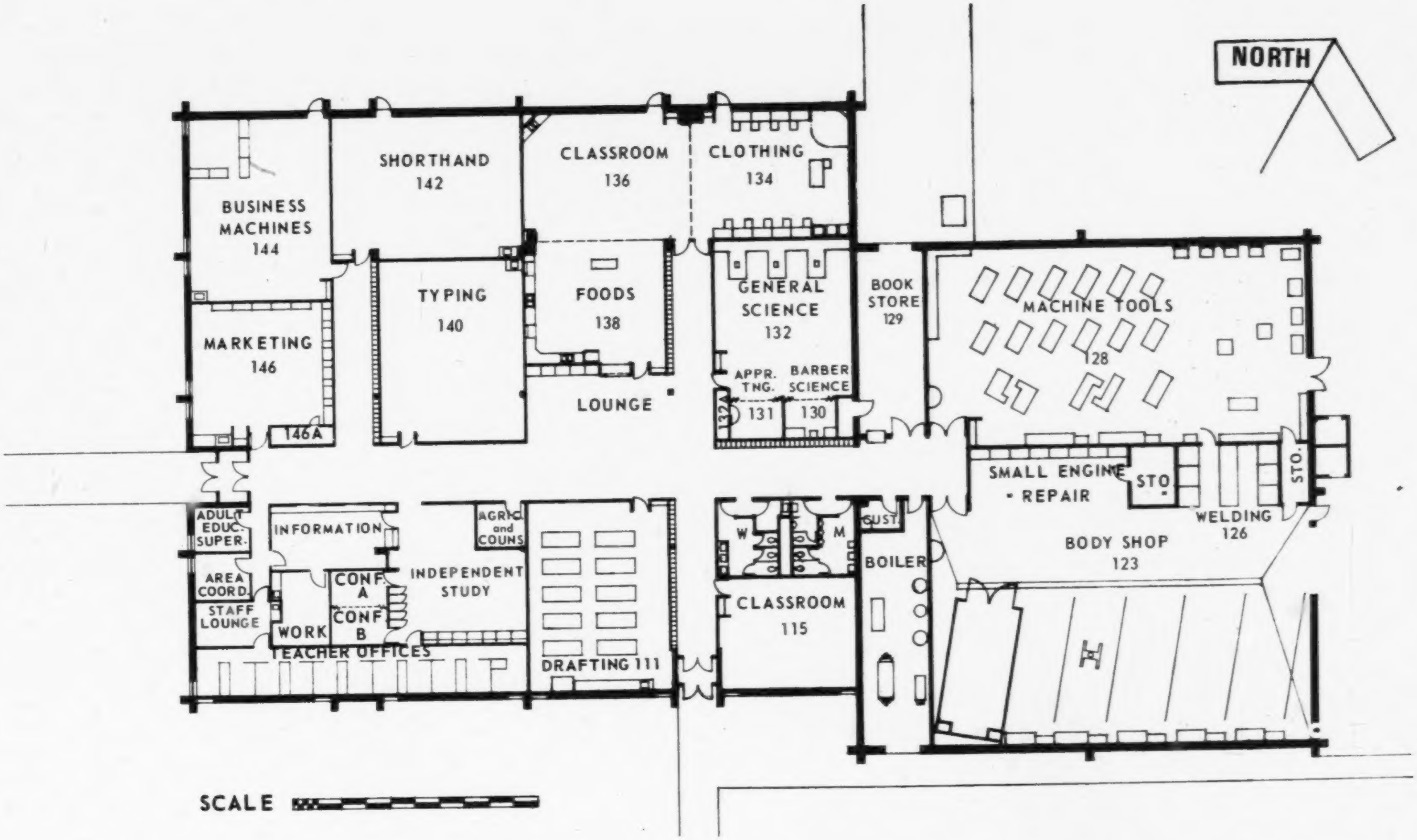

MARQUETTE
GREEN LAKE
FOND DU LAC
SHEBOYGAN
UMBIA
DODGE
WASHINGTON
OZAUKEE
E
JEFFERSON
WAUKESHA
MIL-WAUKEE
ROCK
WALWORTH
RACINE

VOCATIONAL, TECHNICAL AND ADULT EDUCATION

DISTRICT 10



WEST BEND VOCATIONAL-
TECHNICAL SCHOOL


NORTH
BUSINESS MACHINES 144
SHORTHAND 142
CLASSROOM 136
CLOTHING 134
MARKETING 146
146A
TYPING 140
FOODS 138
GENERAL SCIENCE 132
APPR. TNG. 131
BARBER SCIENCE 130
132A
BOOK STORE 129
MACHINE TOOLS 128
LOUNGE
SMALL ENGINE - REPAIR
STO
STO.
WELDING 126
BODY SHOP 123
ADULT EDUC. SUPER.
AREA COORD.
STAFF LOUNGE
INFORMATION
CONF. A
CONF. B
WORK
TEACHER OFFICES
INDEPENDENT STUDY
AGRIC. and COUNS.
DRAFTING 111
W
M
CUST.
BOILER
CLASSROOM 115
SCALE

WEST BEND VOCATIONAL-TECHNICAL SCHOOL

CONSTRUCTION PROJECT ANALYSIS

NAME OF SCHOOL MID-STATE TECHNICAL INSTITUTE DISTRICT # 14

LOCATION 32nd & WASHINGTON, WISCONSIN RAPIDS, WIS.

AREA DIRECTOR EARL F. JAEGER

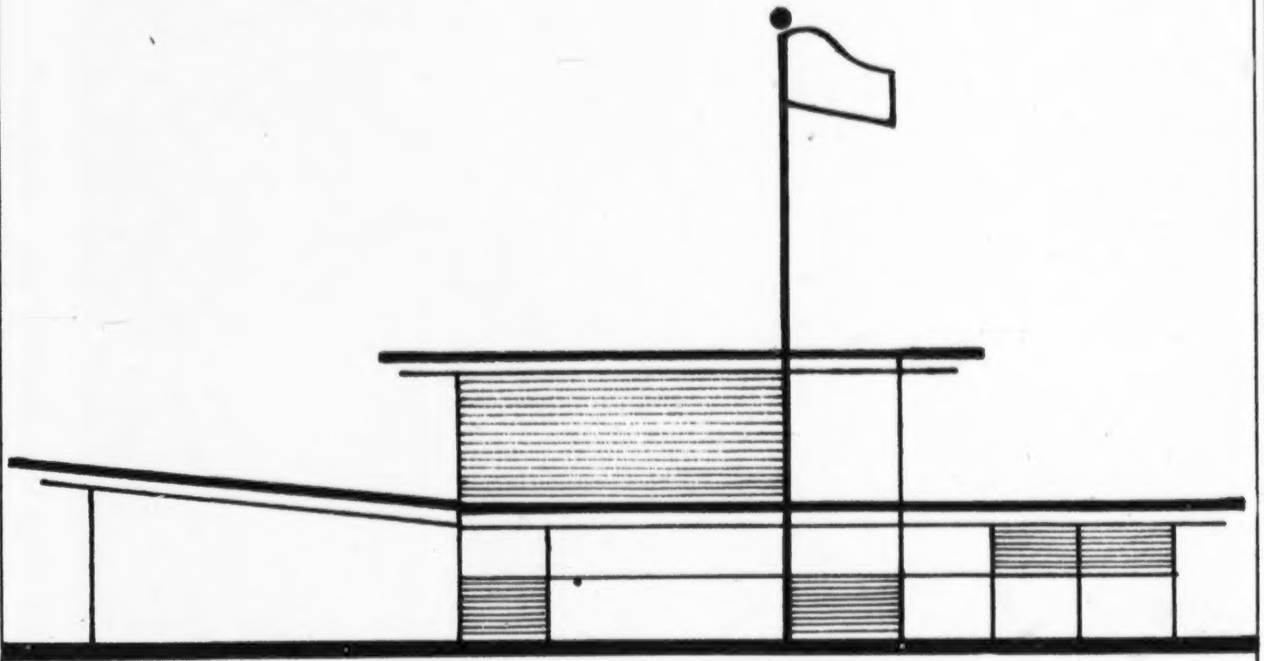
PROJECT NO. 73-14-54 DATE MARCH 1, 1973

ARCHITECT JOHN J. FLAD & ASSOCIATES

Student Cap. 740

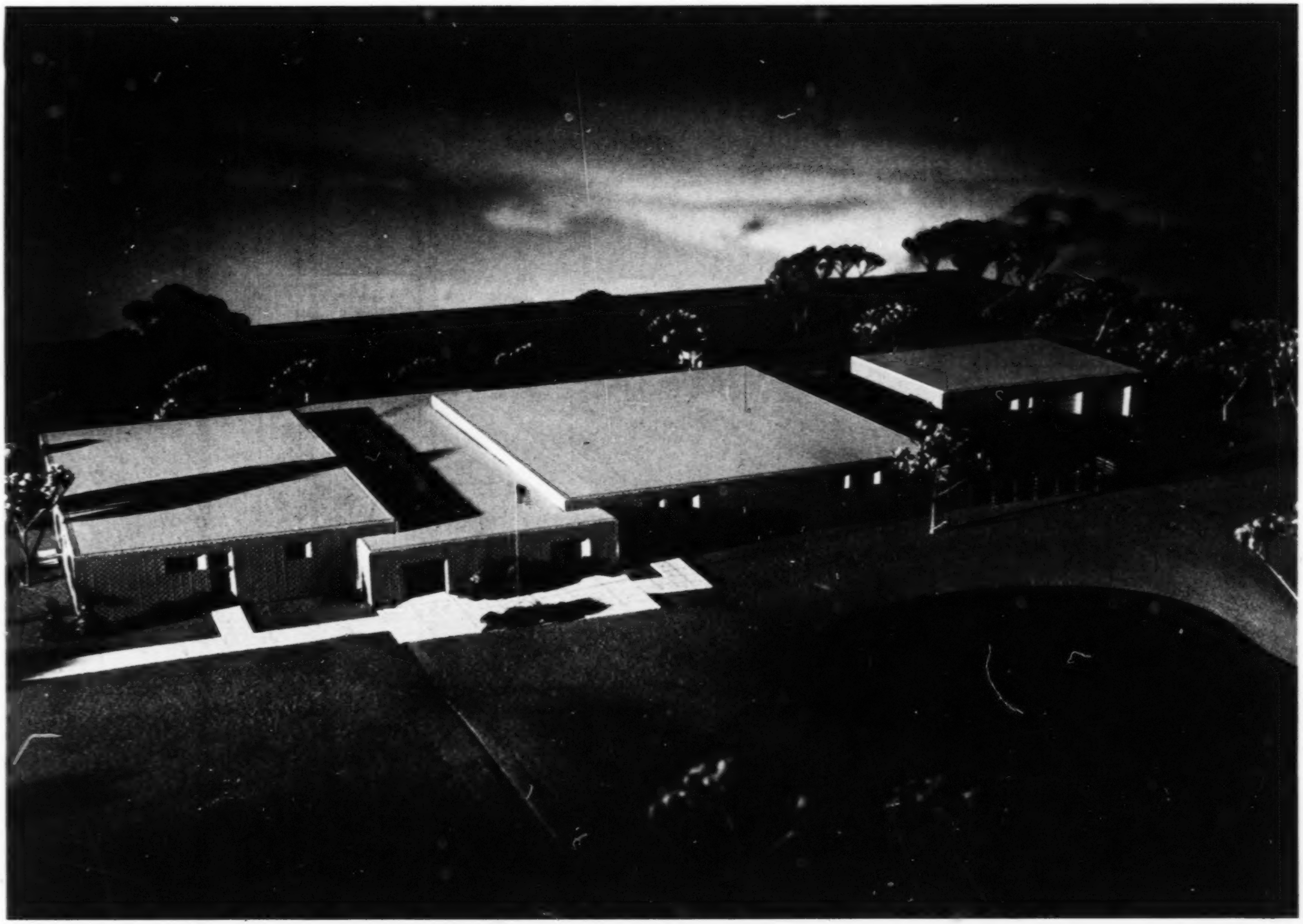
Size Sq.ft. 101,500

Cost $2,420,000.00



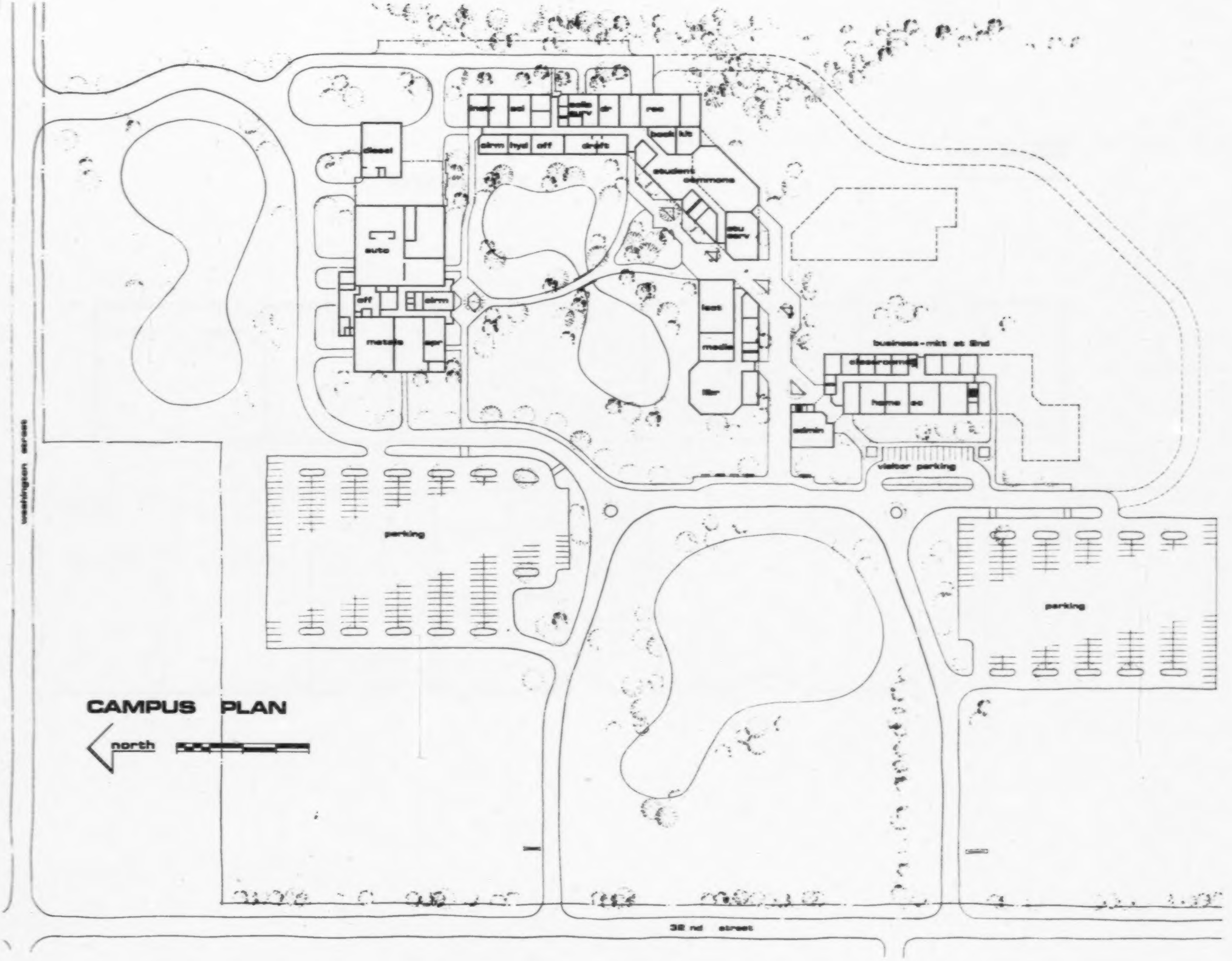
Wisconsin Board of Vocational, Technical and Adult Education

Madison, Wisconsin Eugene Lehrmann, Director



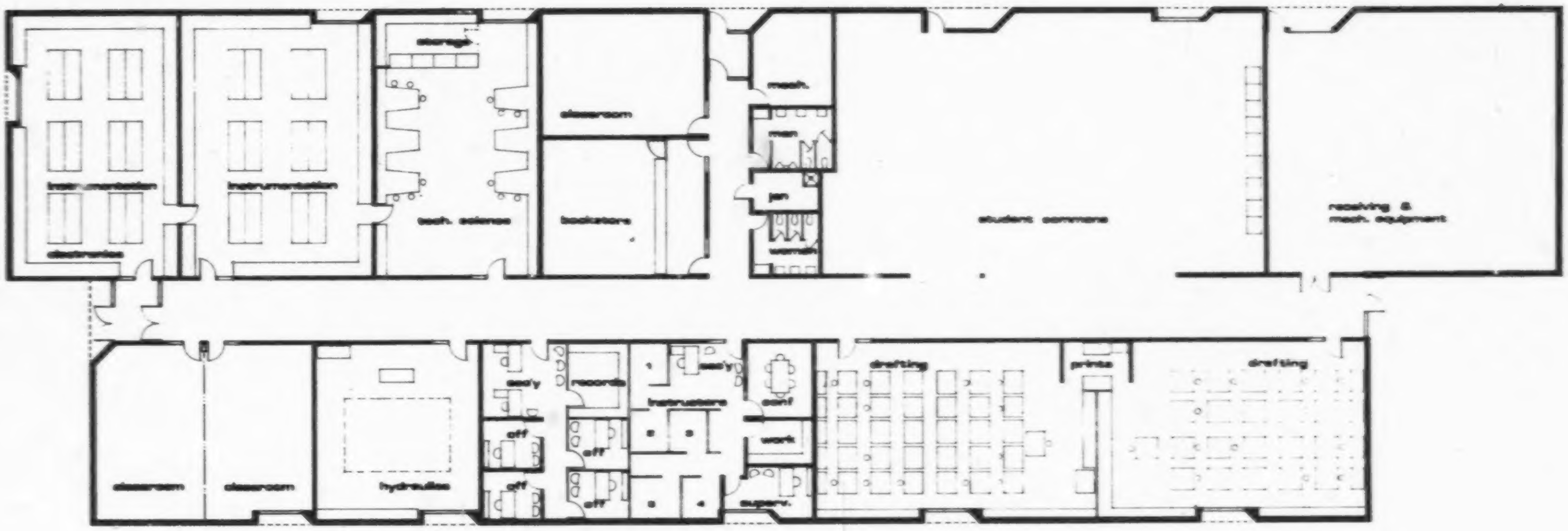
JOHN J. FLAD & ASSOCIATES ARCHITECTS ENGINEERS PLANNERS MADISON & MILWAUKEE, WISCONSIN

MID-STATE TECHNICAL INSTITUTE



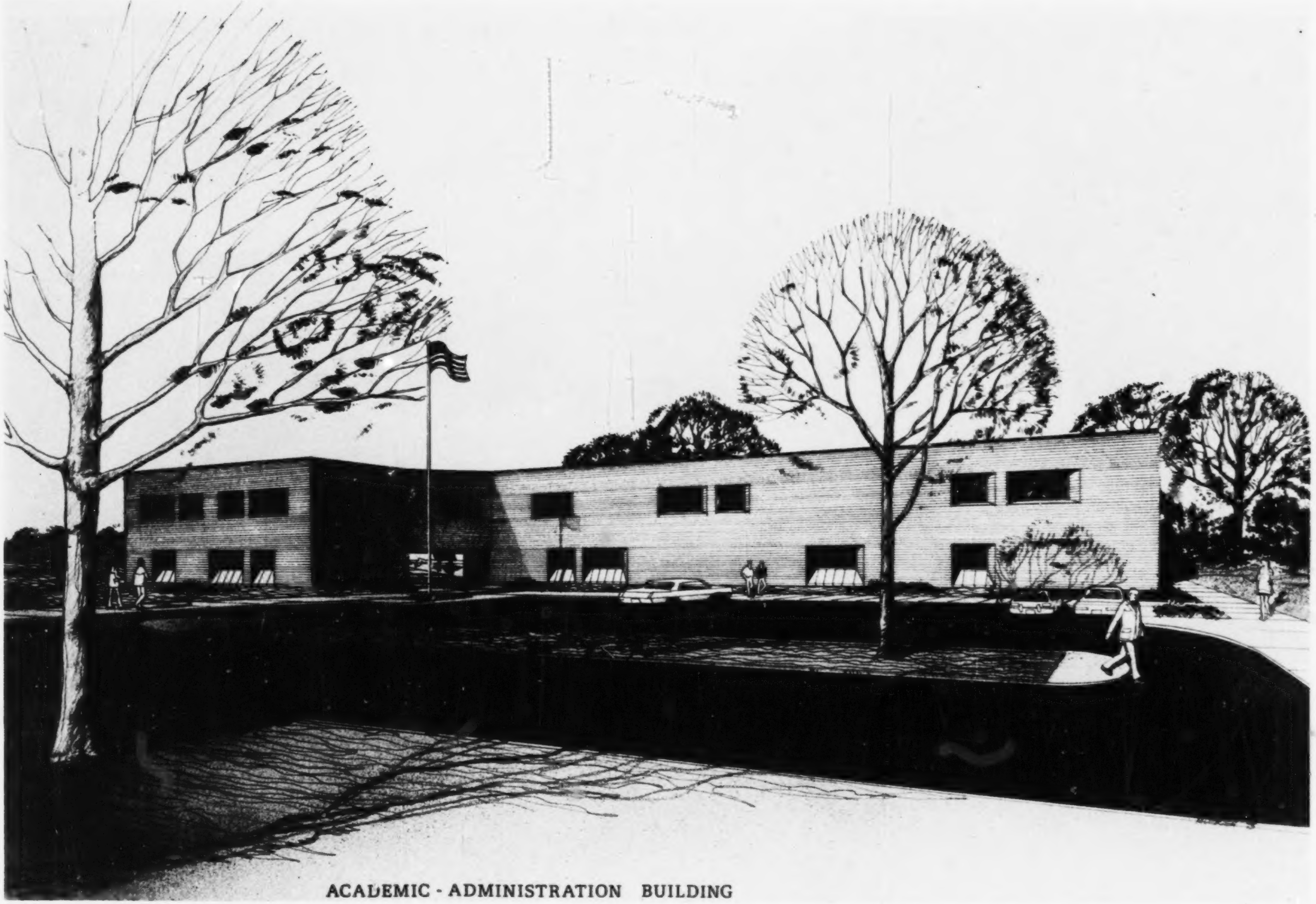
CAMPUS PLAN

north
washington street
32 nd street
parking
parking
visitor parking
business-mkt ed ind
classrooms
home ec
admin
lect
media
libr
stu serv
student commons
book
kit
rec
dr
edu serv
sci
trans
clrm
hyd
off
draft
diesel
auto
off
clrm
metals
apr

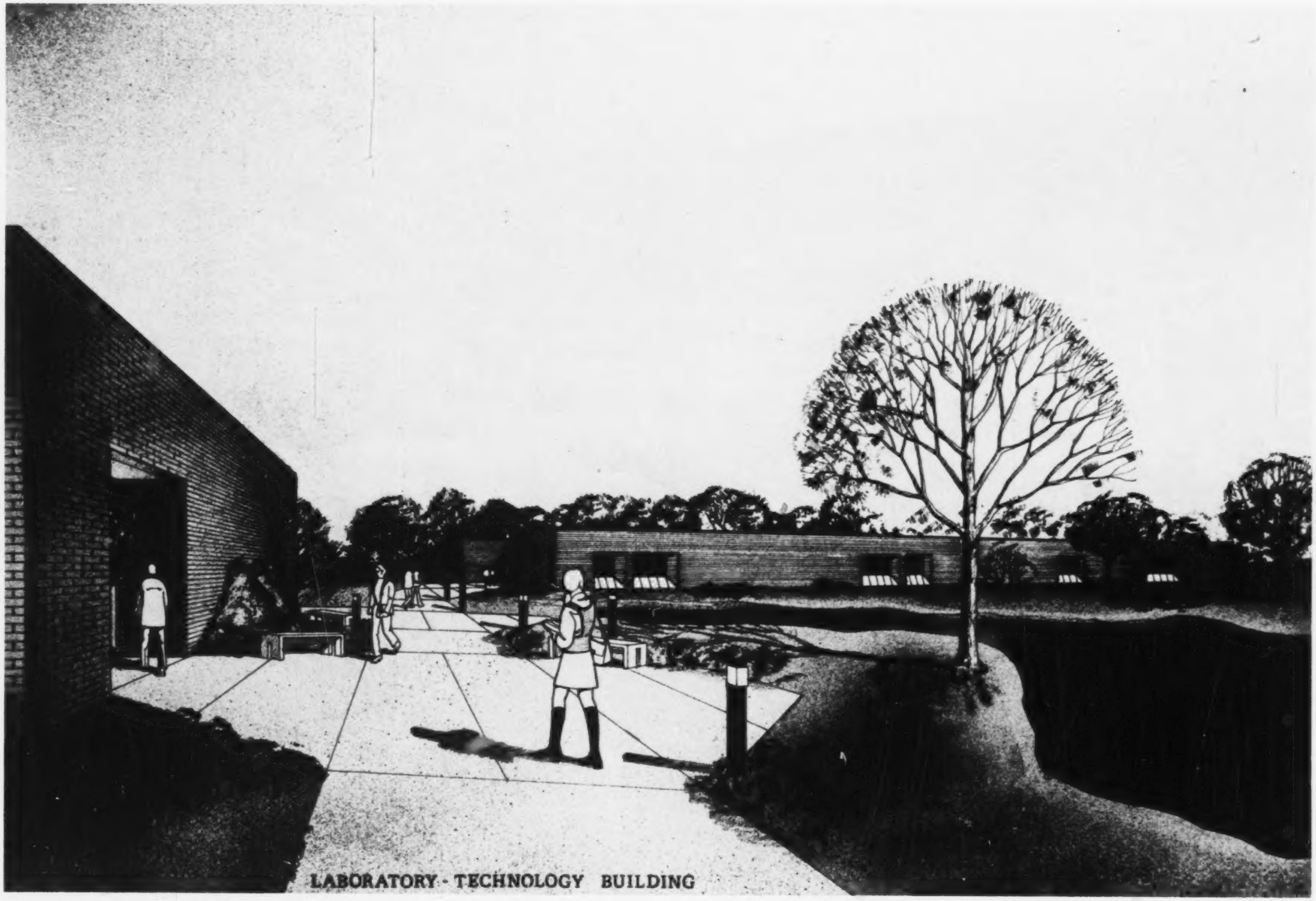

instrumentation
electronics
instrumentation
storage
tech. science
classroom
bookstore
mech.
men
jan
women
student commons
receiving &
mech. equipment
classroom
classroom
hydraulics
sec'y
records
off
off
off
off
instructors
sec'y
conf
work
superv.
drafting
prints
drafting
north
0 5 10 15

BUILDING 3 phase 2

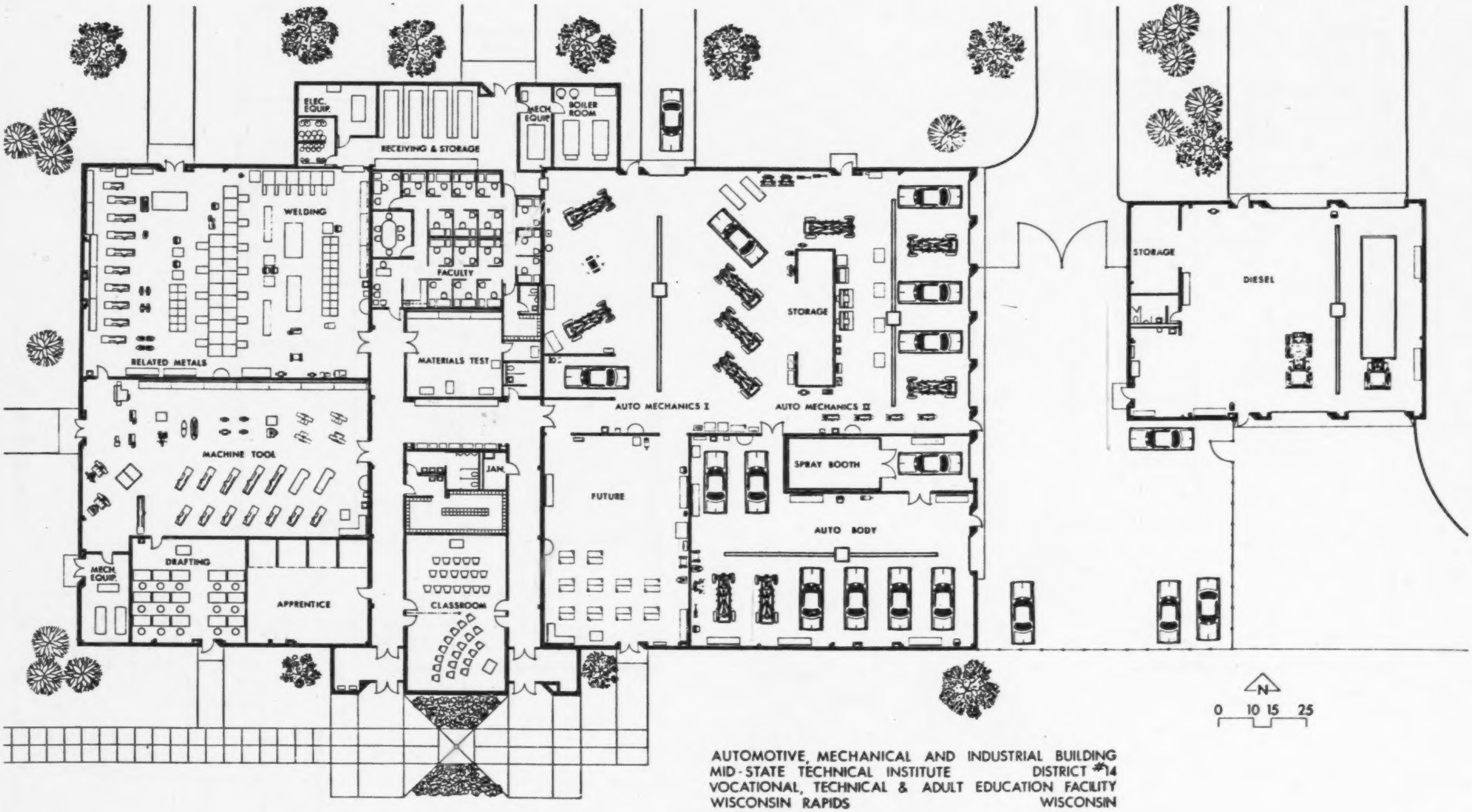
first floor plan



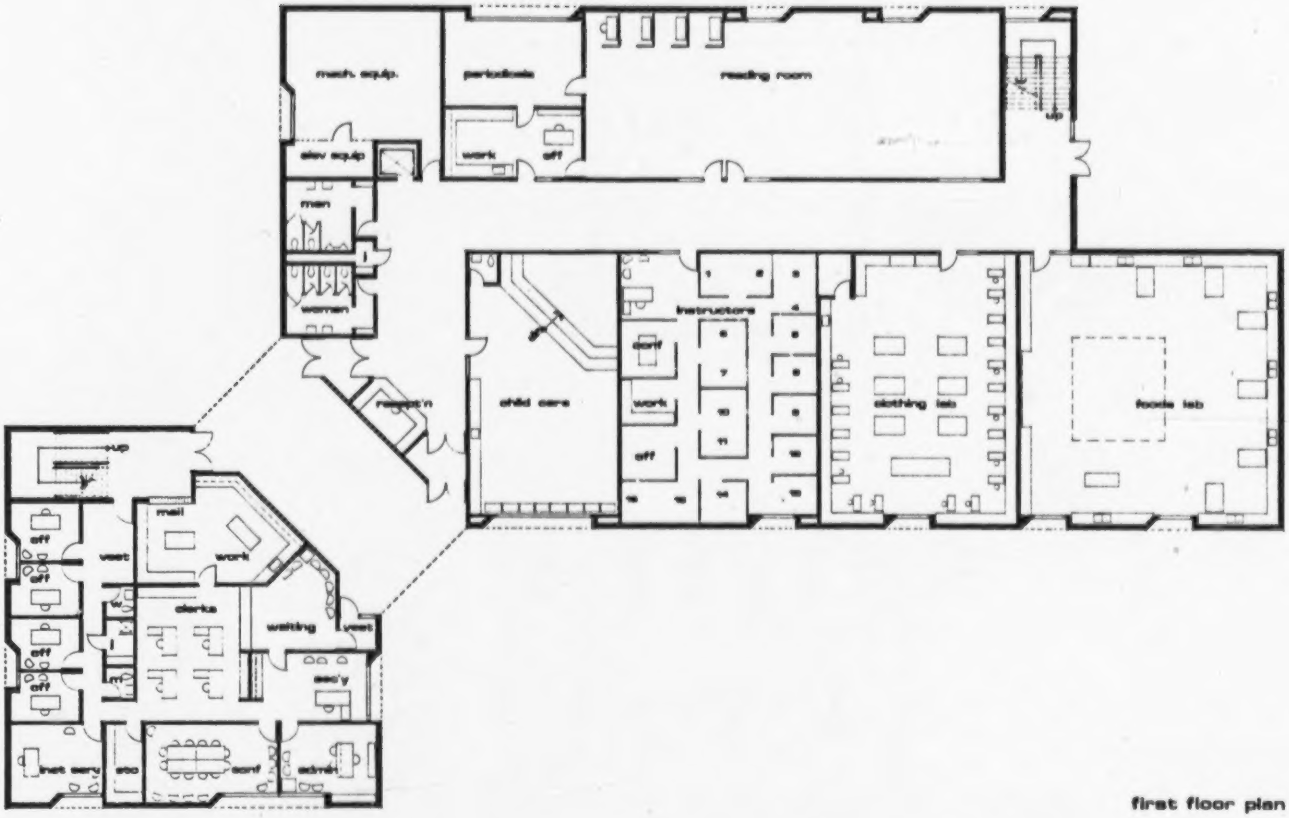
ACADEMIC - ADMINISTRATION BUILDING



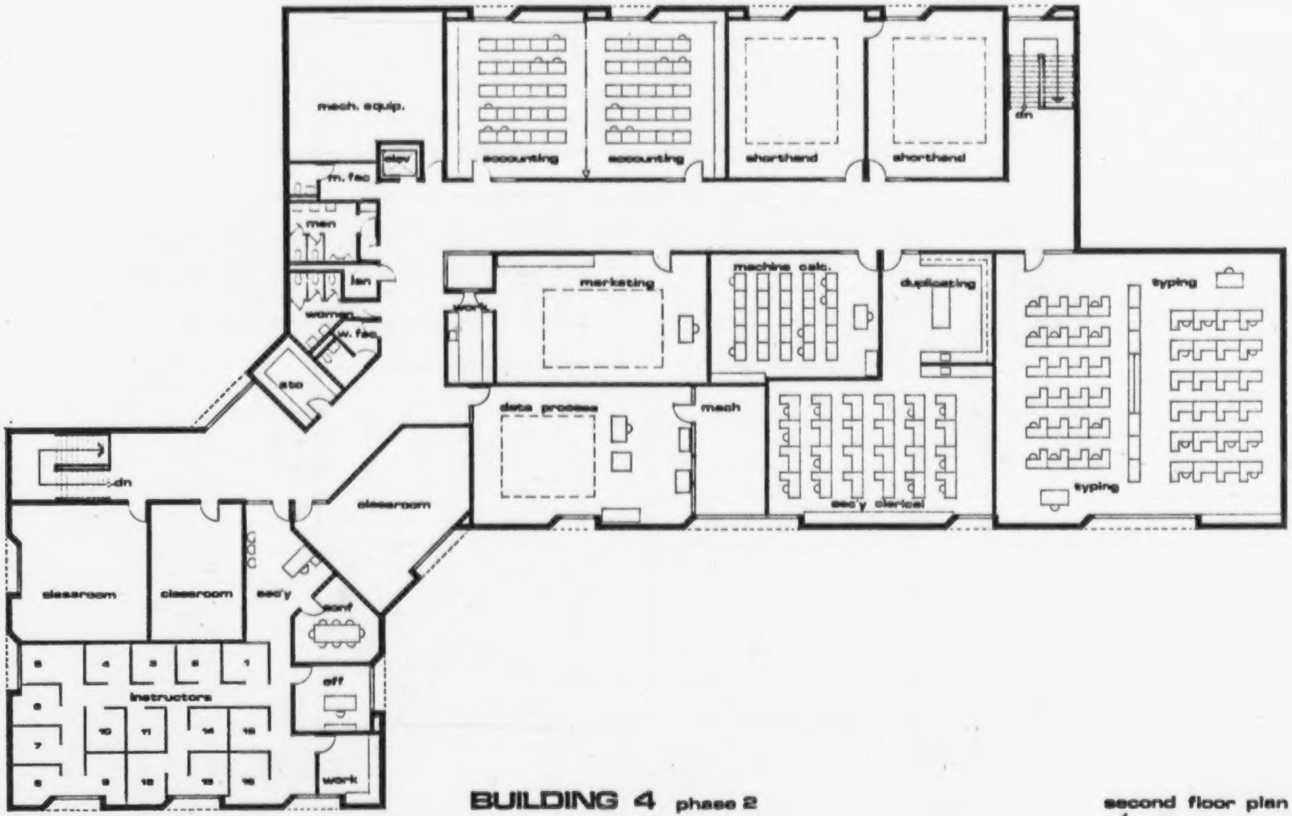
LABORATORY · TECHNOLOGY BUILDING


ELEC. EQUIP.
RECEIVING & STORAGE
MECH EQUIP.
BOILER ROOM
WELDING
FACULTY
RELATED METALS
MATERIALS TEST
MACHINE TOOL
JAN.
MECH. EQUIP.
DRAFTING
APPRENTICE
CLASSROOM
AUTO MECHANICS I
STORAGE
AUTO MECHANICS II
FUTURE
SPRAY BOOTH
AUTO BODY
STORAGE
DIESEL
N
0 10 15 25

AUTOMOTIVE, MECHANICAL AND INDUSTRIAL BUILDING
MID-STATE TECHNICAL INSTITUTE DISTRICT #14
VOCATIONAL, TECHNICAL & ADULT EDUCATION FACILITY
WISCONSIN RAPIDS WISCONSIN


mech. equip.
periodicals
reading room
work
off
up
elev equip
men
women
child care
instructors
conf
work
off
clothing lab
foods lab
recept'n
up
mail
work
off
vest
clerks
waiting
vest
sec'y
inst serv
sto
conf
admin

first floor plan


mech. equip.
elev
accounting
accounting
shorthand
shorthand
dn
m. fac
men
jan
women
w. fac
sto
work
marketing
machine calc.
duplicating
typing
typing
data process
mech
sec'y clerical
dn
classroom
classroom
classroom
sec'y
conf
instructors
off
work

BUILDING 4 phase 2

second floor plan

north

CONSTRUCTION PROJECT ANALYSIS

NAME OF SCHOOL NORTH CENTRAL TECHNICAL INSTITUTE DISTRICT # 15

LOCATION 1000 SCHOFIELD AVENUE, WAUSAU, WISCONSIN

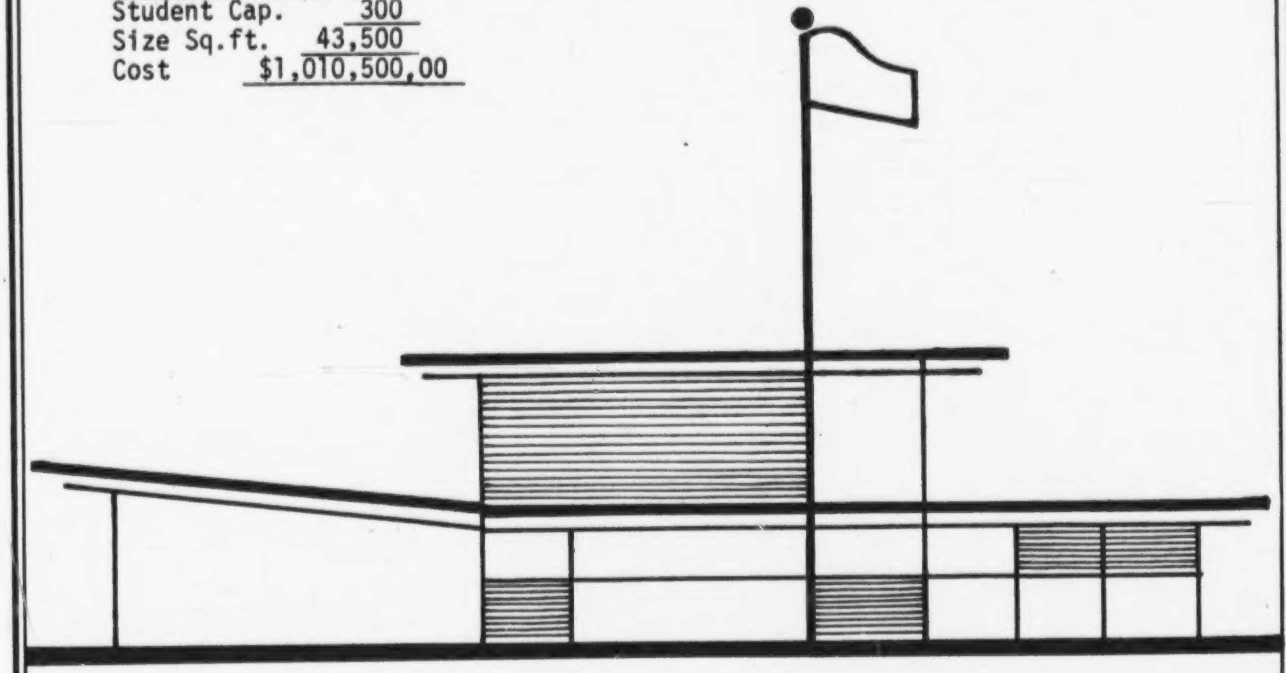
AREA DIRECTOR LAWRENCE B. HOYT

PROJECT NO. 68-15-21 DATE MAY, 1968

ARCHITECT DONALD SCHOEPKE A.I.A.

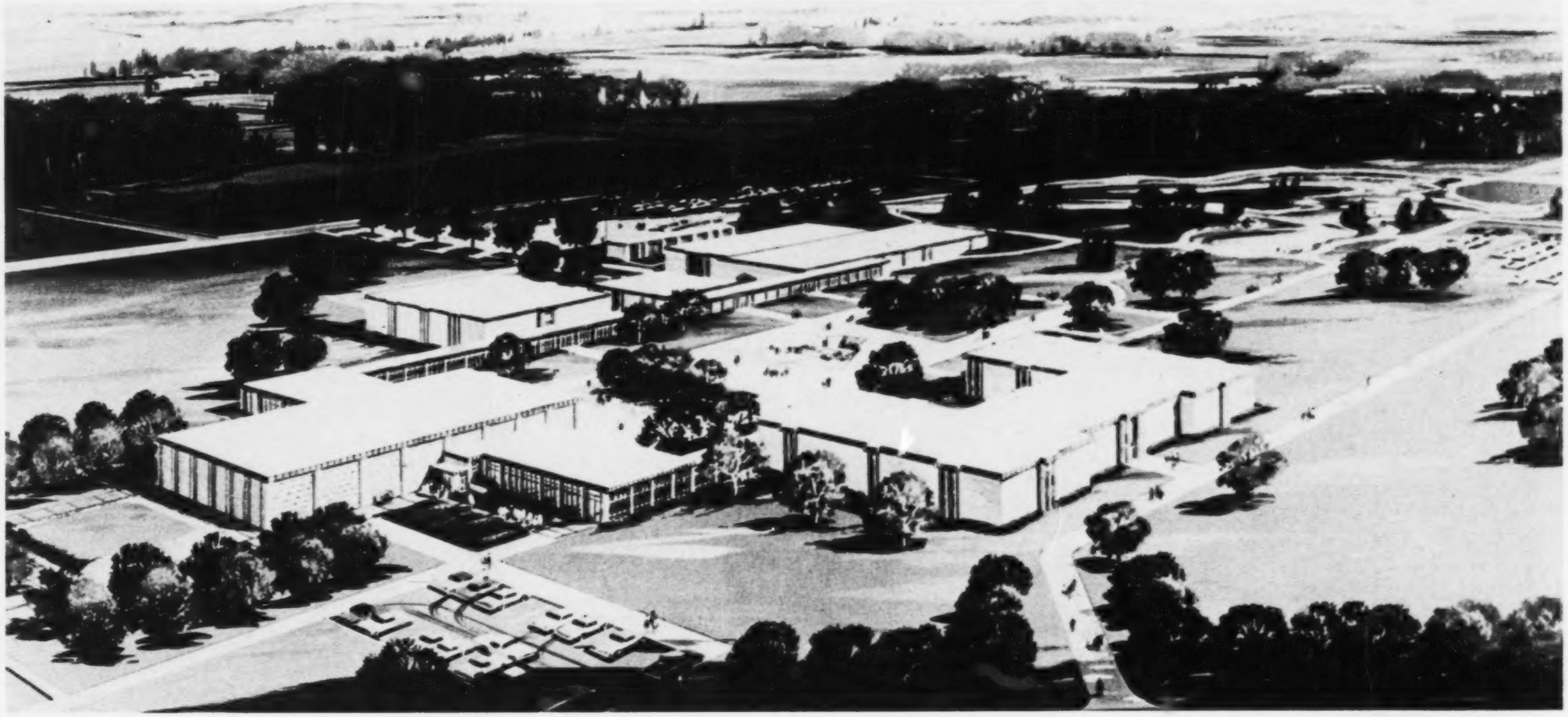
North Central Tech.	
Student Cap.	2200
Size Sq.ft.	213,611
Cost	$4,600,000.00

Antigo Vocational	
Student Cap.	300
Size Sq.ft.	43,500
Cost	$1,010,500,00



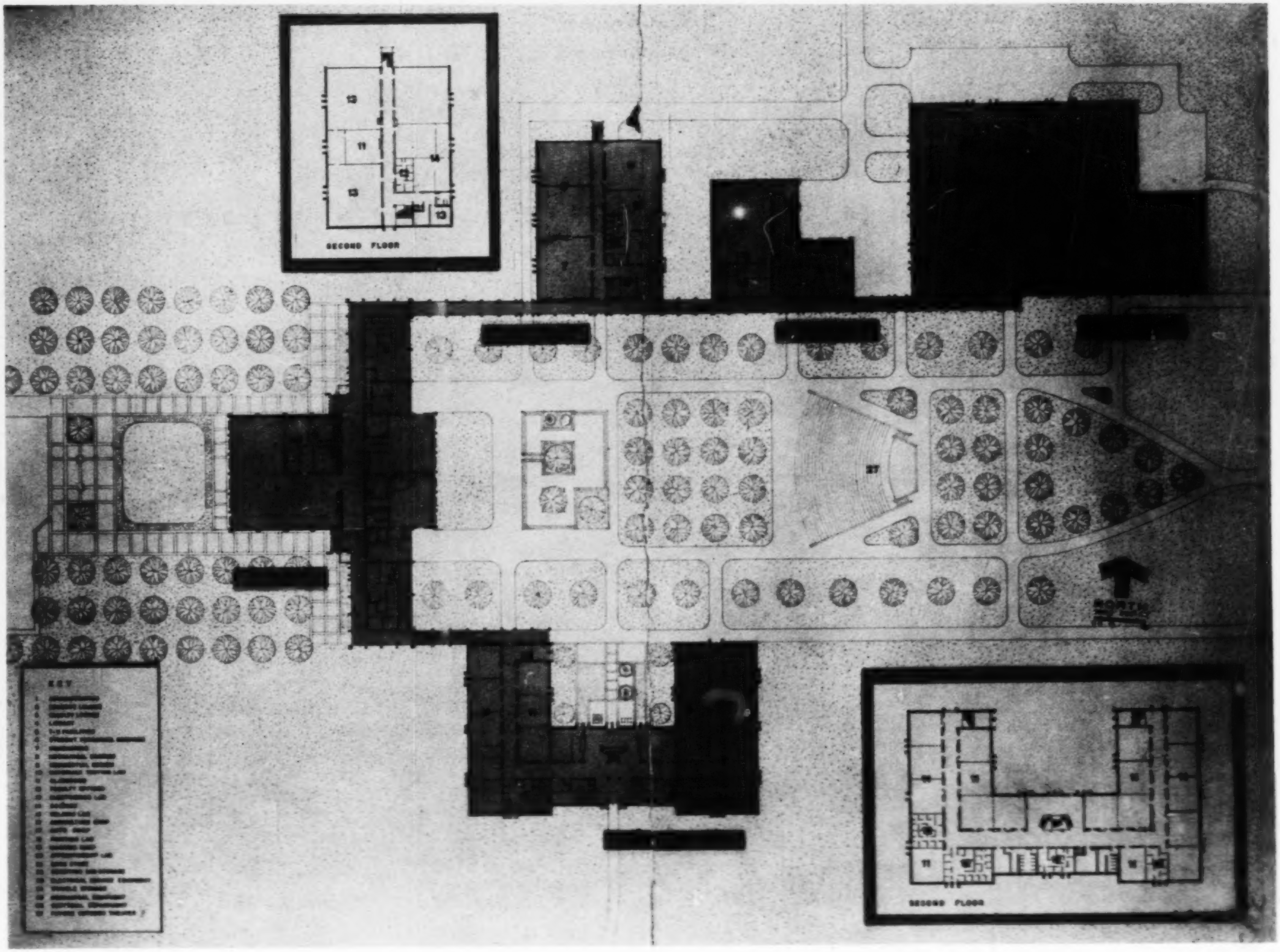
Wisconsin Board of Vocational, Technical and Adult Education

Madison, Wisconsin Eugene Lehrmann, Director

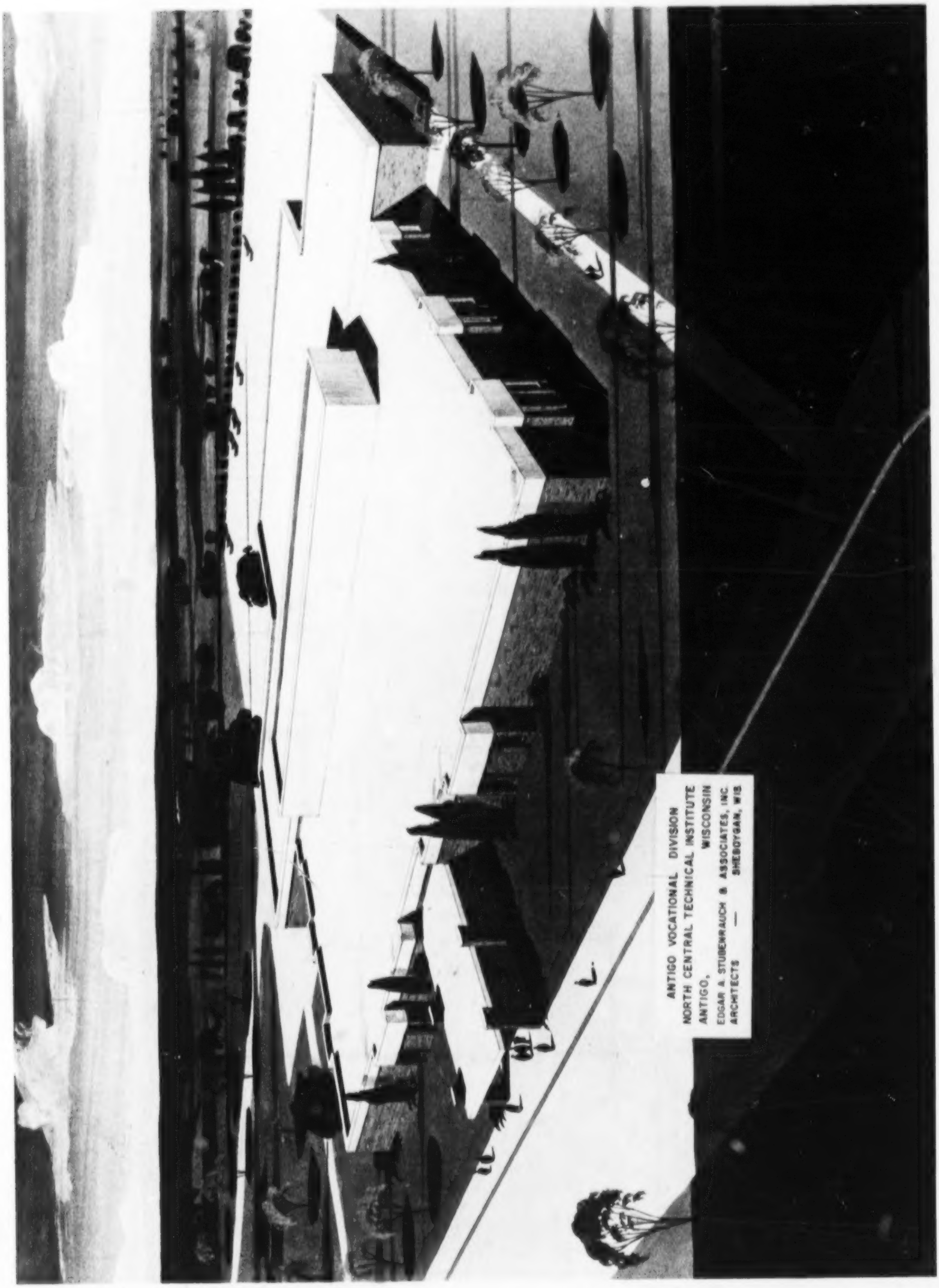


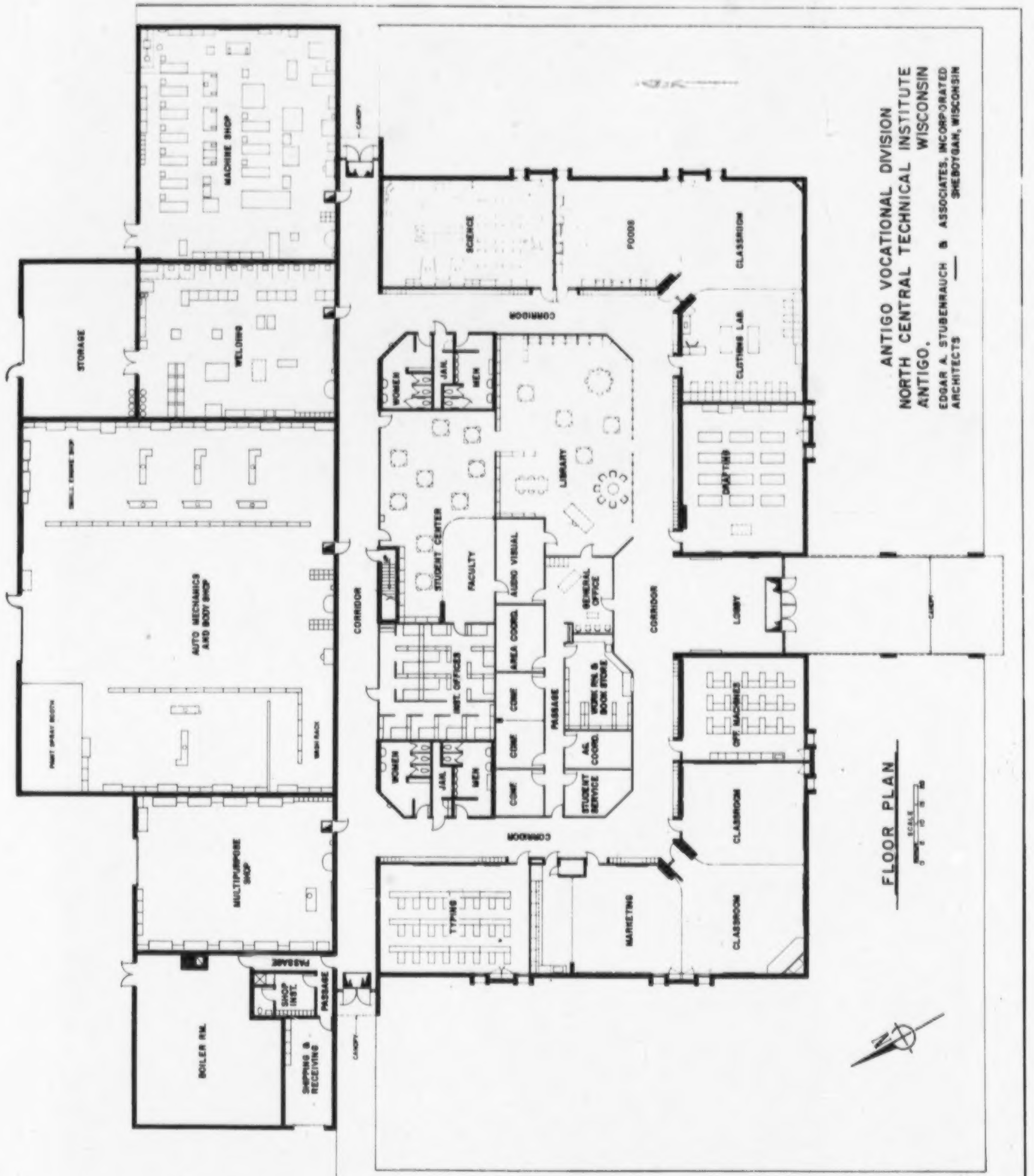
North Central Technical Institute
Wausau, Wisconsin

Architect
Donald Schoepke, A.I.A.
and Associates



SECOND FLOOR
NORTH
KEY
SECOND FLOOR


ANTIGO VOCATIONAL DIVISION
NORTH CENTRAL TECHNICAL INSTITUTE
ANTIGO, WISCONSIN
EDGAR A. STUBENRAUCH & ASSOCIATES, INC.
ARCHITECTS — SHEBOYGAN, WIS.


ANTIGO VOCATIONAL DIVISION
NORTH CENTRAL TECHNICAL INSTITUTE
ANTIGO, WISCONSIN
EDGAR A. STUBENRAUCH & ASSOCIATES, INCORPORATED
ARCHITECTS SHEBOYGAN, WISCONSIN
FLOOR PLAN
SCALE
MACHINE SHOP
STORAGE
WELDING
SMALL ENGINE SHOP
AUTO MECHANICS AND BODY SHOP
PAINT SPRAY BOOTH
WASH RACK
MULTIPURPOSE SHOP
BOILER RM.
SHIPPING & RECEIVING
SHOP INST.
PASSAGE
CANOPY
CORRIDOR
SCIENCE
FOODS
CLASSROOM
CLOTHING LAB.
DRAFTING
LOBBY
OFF. MACHINES
TYPING
MARKETING
WOMEN
JAN.
MEN
LIBRARY
STUDENT CENTER
FACULTY
AUDIO VISUAL
GENERAL OFFICE
AREA COORD.
CONF.
INST. OFFICES
WORK RM. & BOOK STORE
AL. COORD.
STUDENT SERVICE

CONSTRUCTION PROJECT ANALYSIS

NAME OF SCHOOL NICOLET COLLEGE & TECHNICAL INST. DISTRICT # 16

LOCATION RHINELANDER, WISCONSIN

AREA DIRECTOR DR. RICHARD J. BROWN

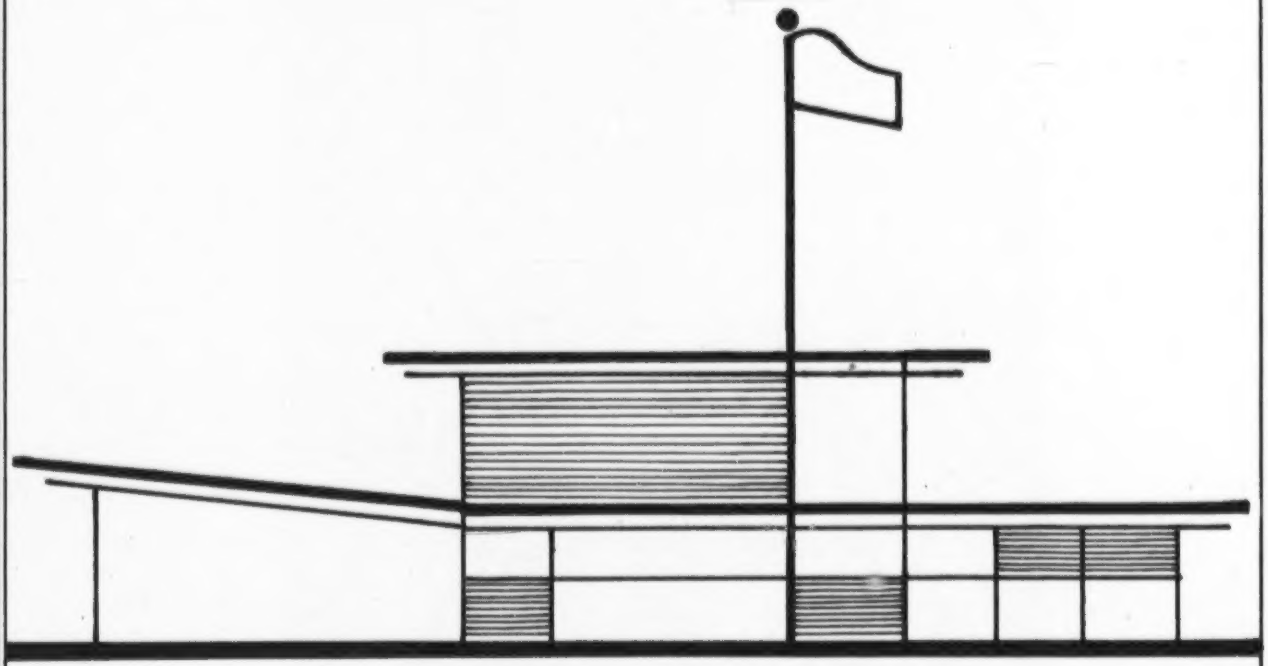
PROJECT NO. DATE MAY, 1971

ARCHITECT SCHUTTE-MOCHON, INC.

Student Cap. 700

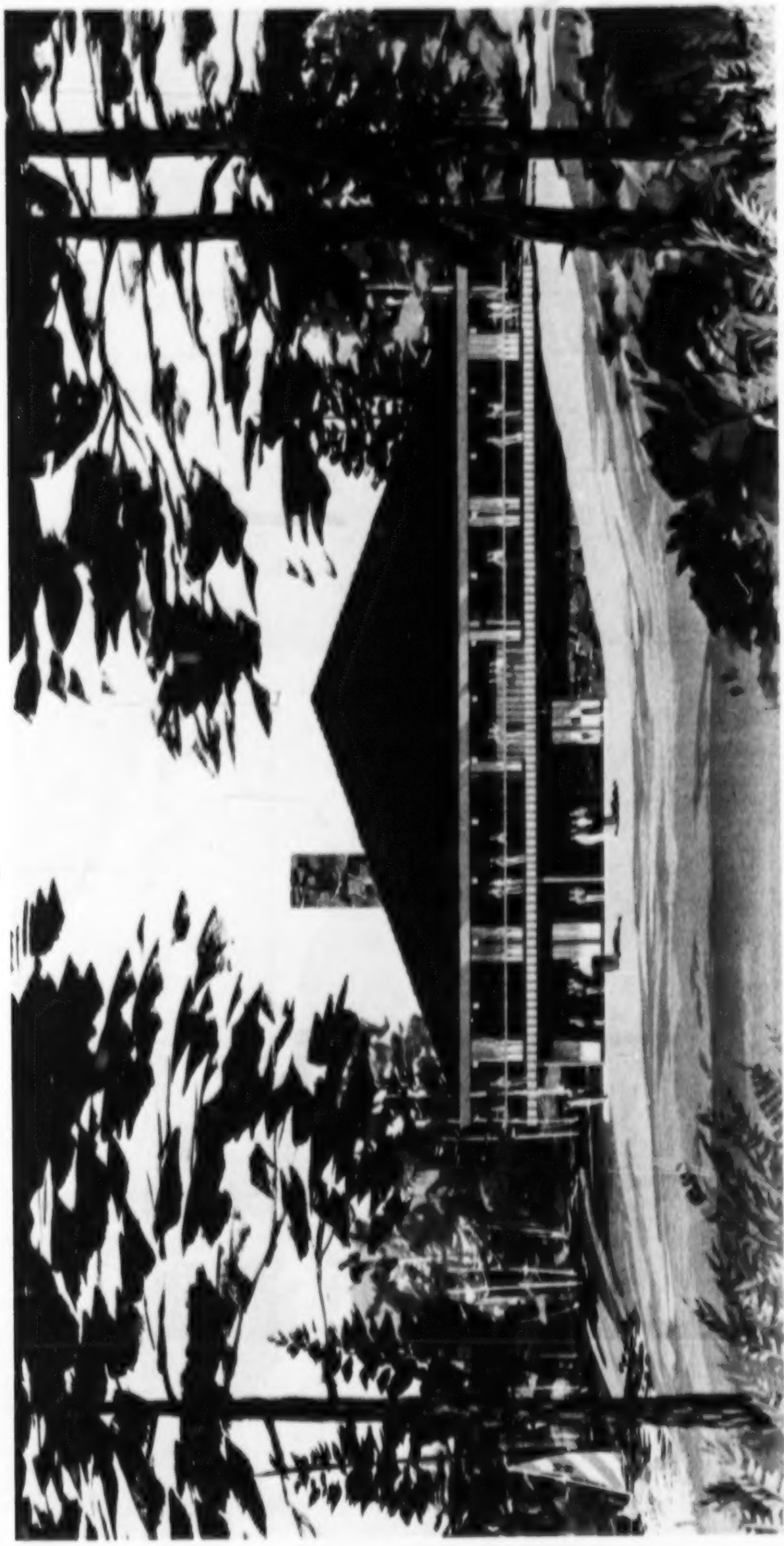
Size Sq.Ft. 97,200

Cost $2,585,845.00



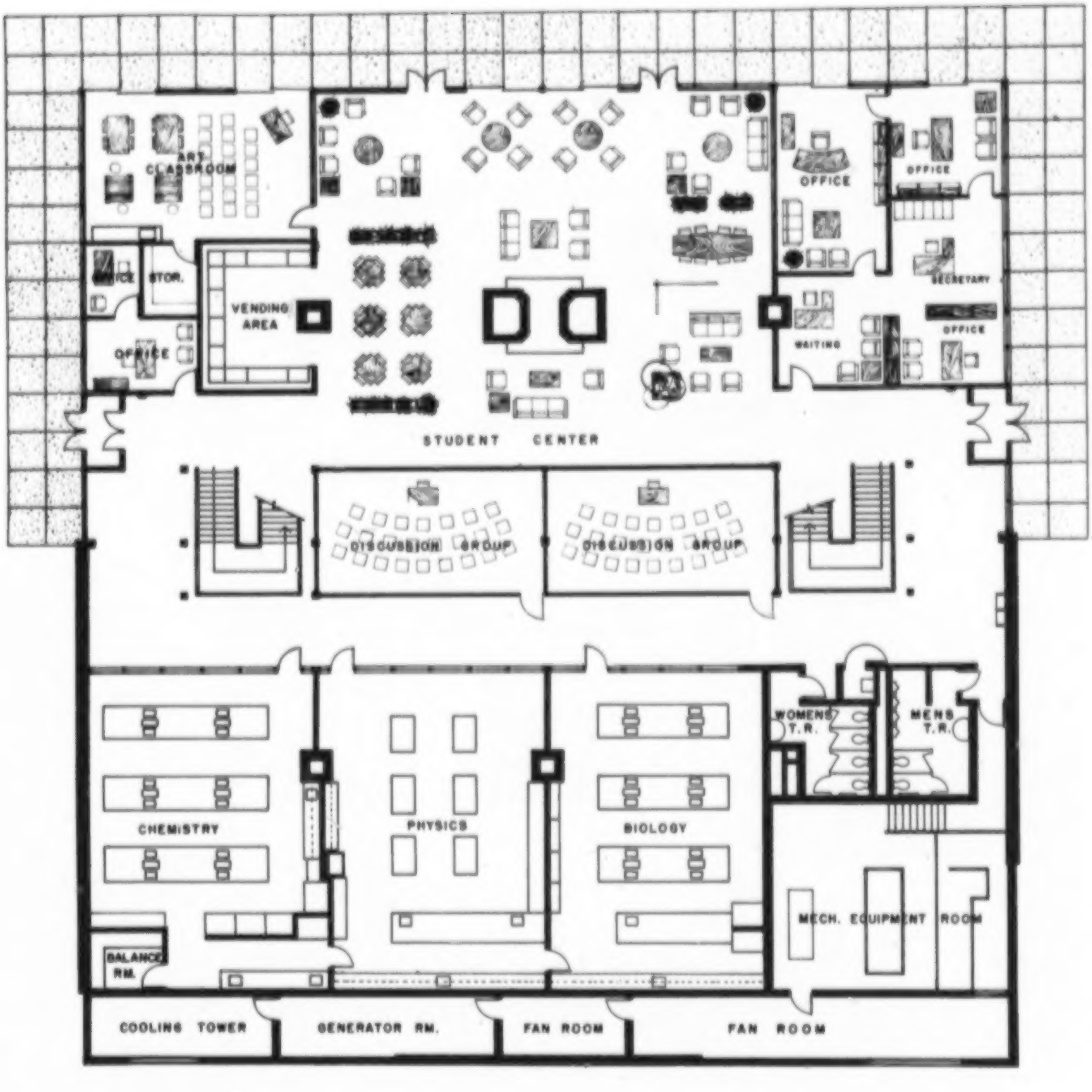
Wisconsin Board of Vocational, Technical and Adult Education

Madison, Wisconsin Eugene Lehrmann, Director



NICOLET COLLEGE & TECHNICAL INSTITUTE

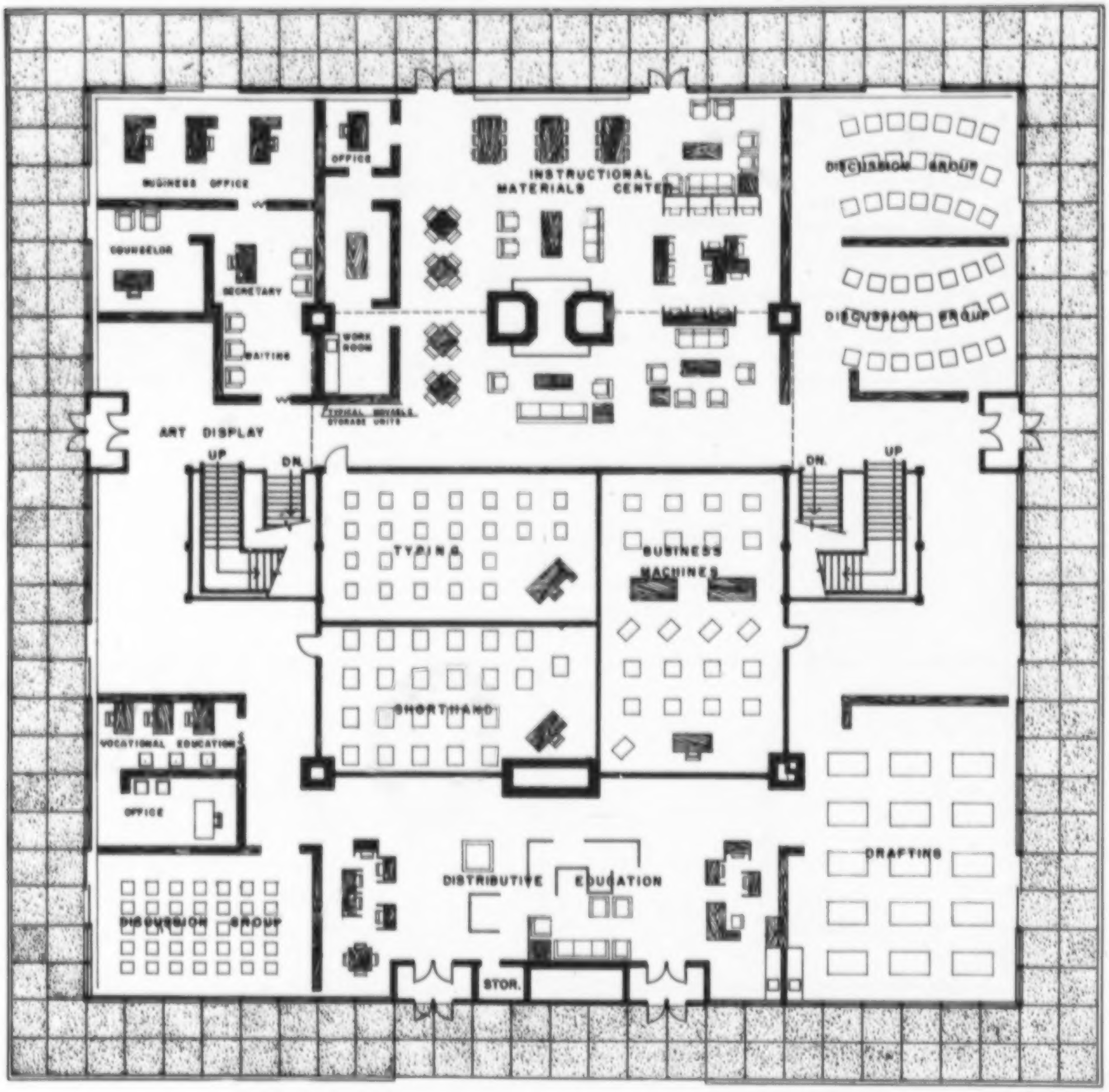
RHINELANDER WISCONSIN


ART CLASSROOM
OFFICE
STOR.
VENDING AREA
OFFICE
OFFICE
OFFICE
SECRETARY
WAITING
OFFICE
STUDENT CENTER
DISCUSSION GROUP
DISCUSSION GROUP
WOMENS T.R.
MENS T.R.
CHEMISTRY
PHYSICS
BIOLOGY
MECH. EQUIPMENT ROOM
BALANCE RM.
COOLING TOWER
GENERATOR RM.
FAN ROOM
FAN ROOM

GROUND FLOOR PLAN

NICOLET COLLEGE & TECHNICAL INS.

RHINELANDER, WISCONSIN


BUSINESS OFFICE
OFFICE
INSTRUCTIONAL MATERIALS CENTER
DISCUSSION GROUP
DISCUSSION GROUP
COUNSELOR
SECRETARY
WORK ROOM
WAITING
PHYSICAL MODELS STORAGE UNITS
ART DISPLAY
UP
DN.
DN.
UP
TYPING
BUSINESS MACHINES
SHORTHAND
VOCATIONAL EDUCATION
OFFICE
DRAFTING
DISTRIBUTIVE EDUCATION
DISCUSSION GROUP
STOR.

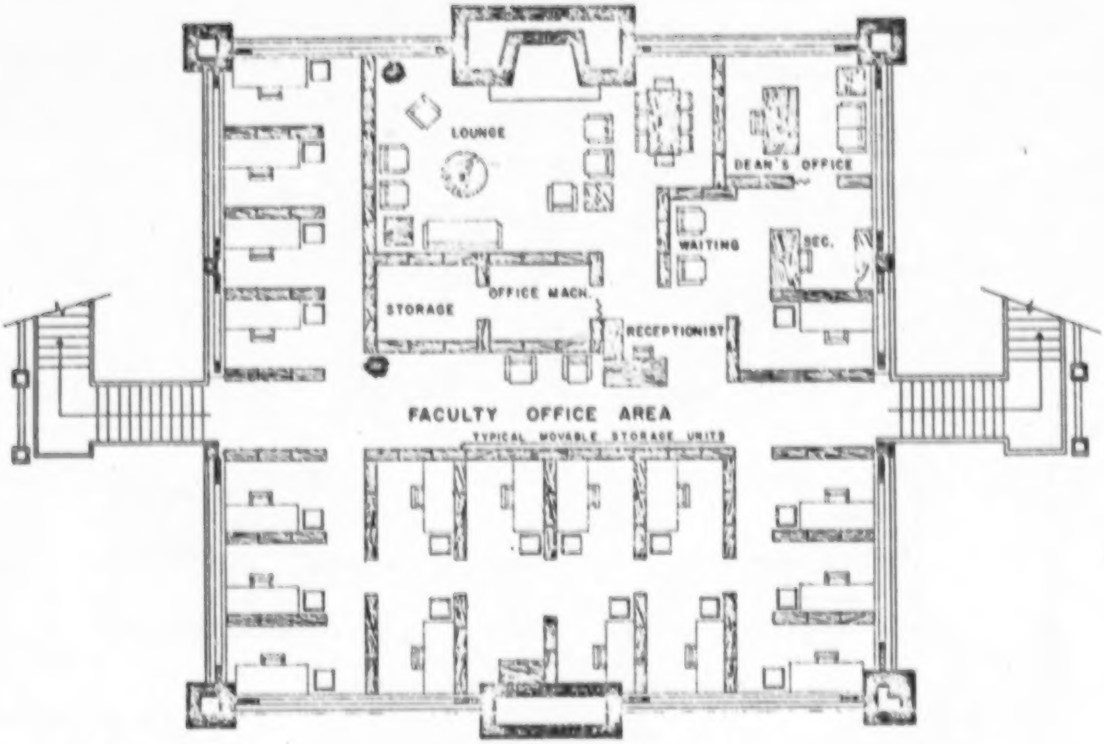
FIRST FLOOR PLAN

NORTH

SCHUTTE • MOCHON

INCORPORATED

ARCHITECTS PLANNERS ENGINEERS
MILWAUKEE APPLETON KENOSHA WISCONSIN
CRYSTAL LAKE ILLINOIS



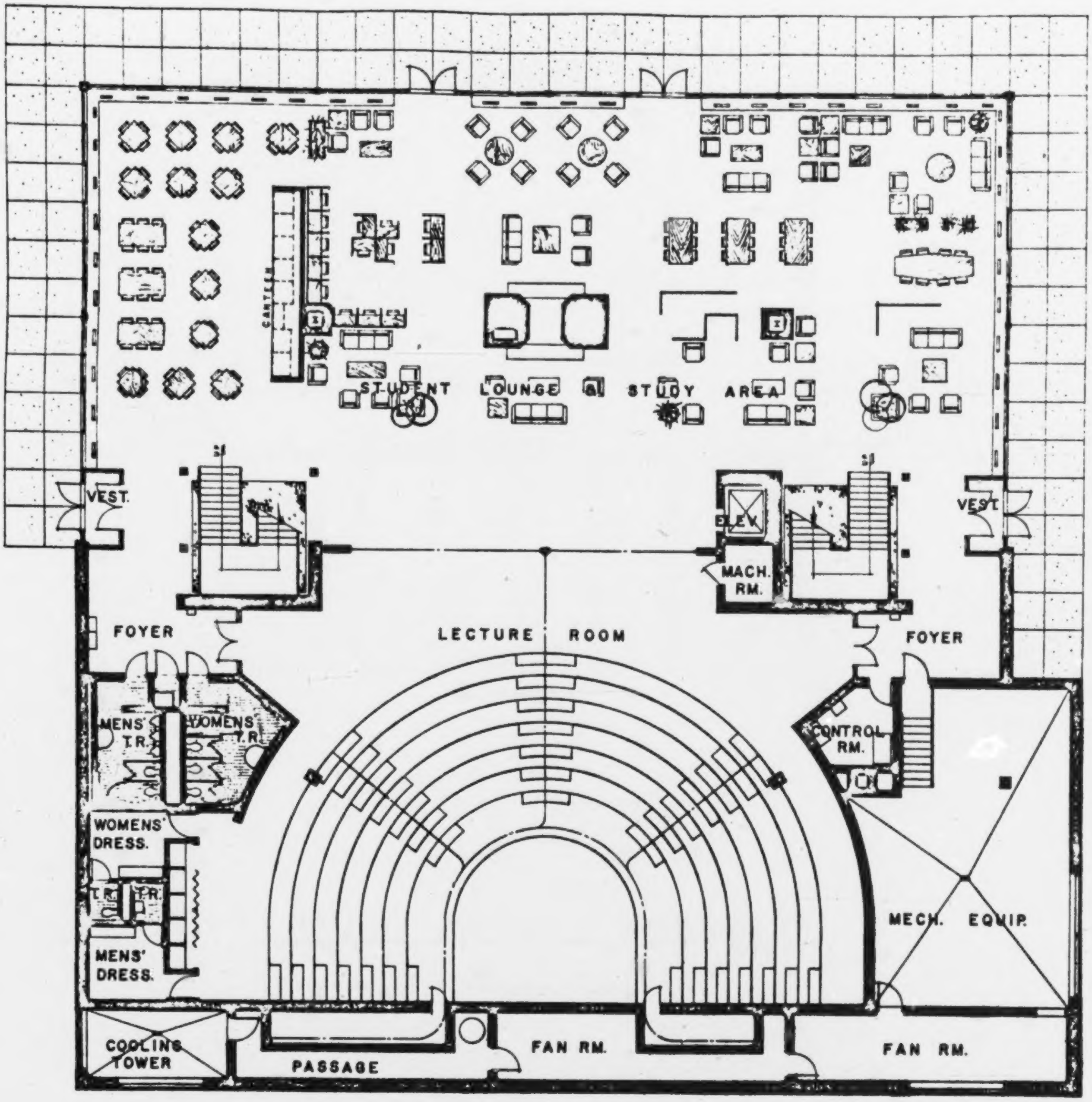
MEZZANINE FLOOR PLAN

THE COMPLEX AND CONCEPT

Northern Wisconsin's magnificent resort country near Rhinelander is the setting for Nicolet College and Technical Institute, a 280-acre campus devoted to educational facilities for the modern student who may, for two years, pursue either liberal arts or occupational training. On the shores of Lake Julia, all buildings will blend into the forest landscape with grade level of each building actually extending into the natural slopes to permit access to first or second floor from ground level. The 'cluster' of buildings, in lieu of a single institutional structure, affords complete harmony with the natural setting of the gently rolling hillside. This regard for the natural beauty of the wooded landscape is emphasized by architectural design, a meld of fieldstone and rough-sawn cedar, with cedar shake roofs, to utilize native materials. Exclusive use of glass walls and wide balcoies assures complete enjoyment of the surrounding countryside.

THE COMPLEX AND PHASE ONE

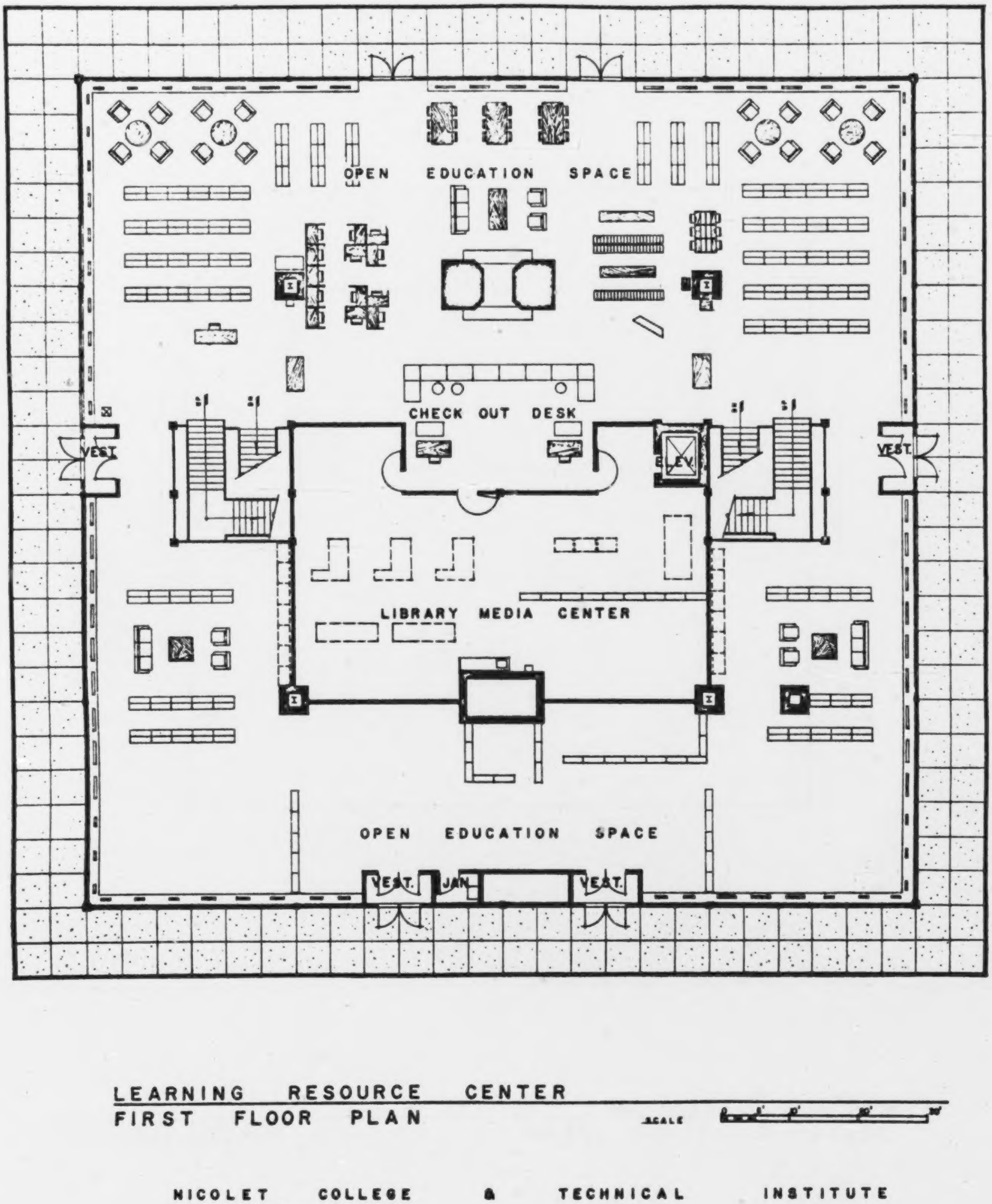
The Science Center, the initial building to be constructed, will perform temporarily as a "capsule" college serving almost all educational needs until the succeeding Learning Resource, Art-Tech, and other Campus Centers are completed at future dates. Built-in science equipment in the lower level will be permanent fixtures for chemistry, biology and other physics students when the building is entirely devoted to these studies as other buildings permit expansion. The Science Center stresses the


CANTEEN
STUDENT LOUNGE & STUDY AREA
VEST.
VEST.
ELEV.
MACH. RM.
FOYER
LECTURE ROOM
FOYER
MENS' T.R.
WOMENS' T.R.
CONTROL RM.
WOMENS' DRESS.
T.R.
T.R.
MENS' DRESS.
MECH. EQUIP.
COOLING TOWER
PASSAGE
FAN RM.
FAN RM.

LEARNING RESOURCE CENTER
GROUND FLOOR PLAN

SCALE
0 5' 10' 20' 30'

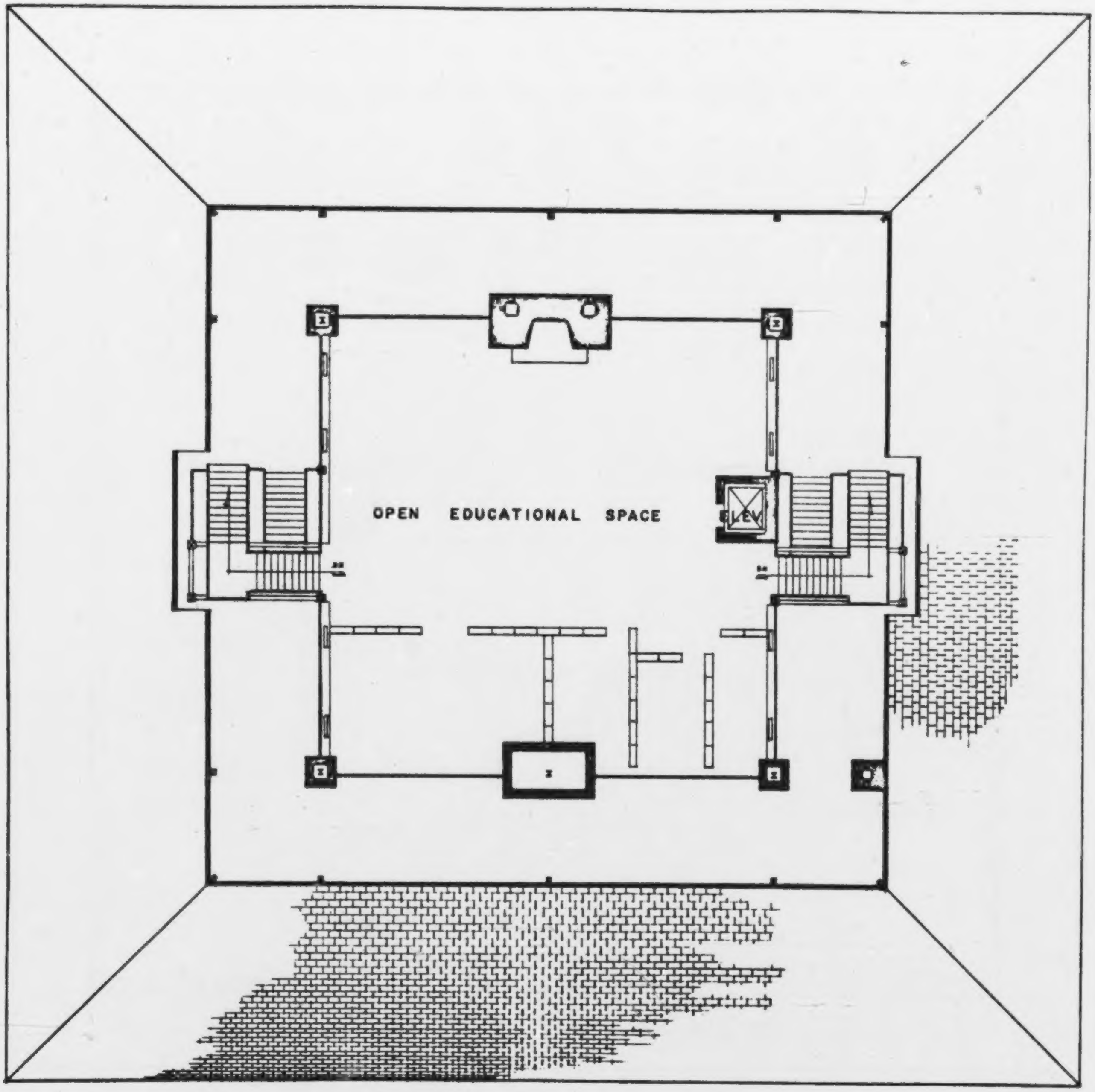
NICOLET COLLEGE & TECHNICAL INSTITUTE


OPEN EDUCATION SPACE
CHECK OUT DESK
VEST.
VEST.
ELEV.
LIBRARY MEDIA CENTER
OPEN EDUCATION SPACE
VEST.
JAN.
VEST.

LEARNING RESOURCE CENTER
FIRST FLOOR PLAN

SCALE

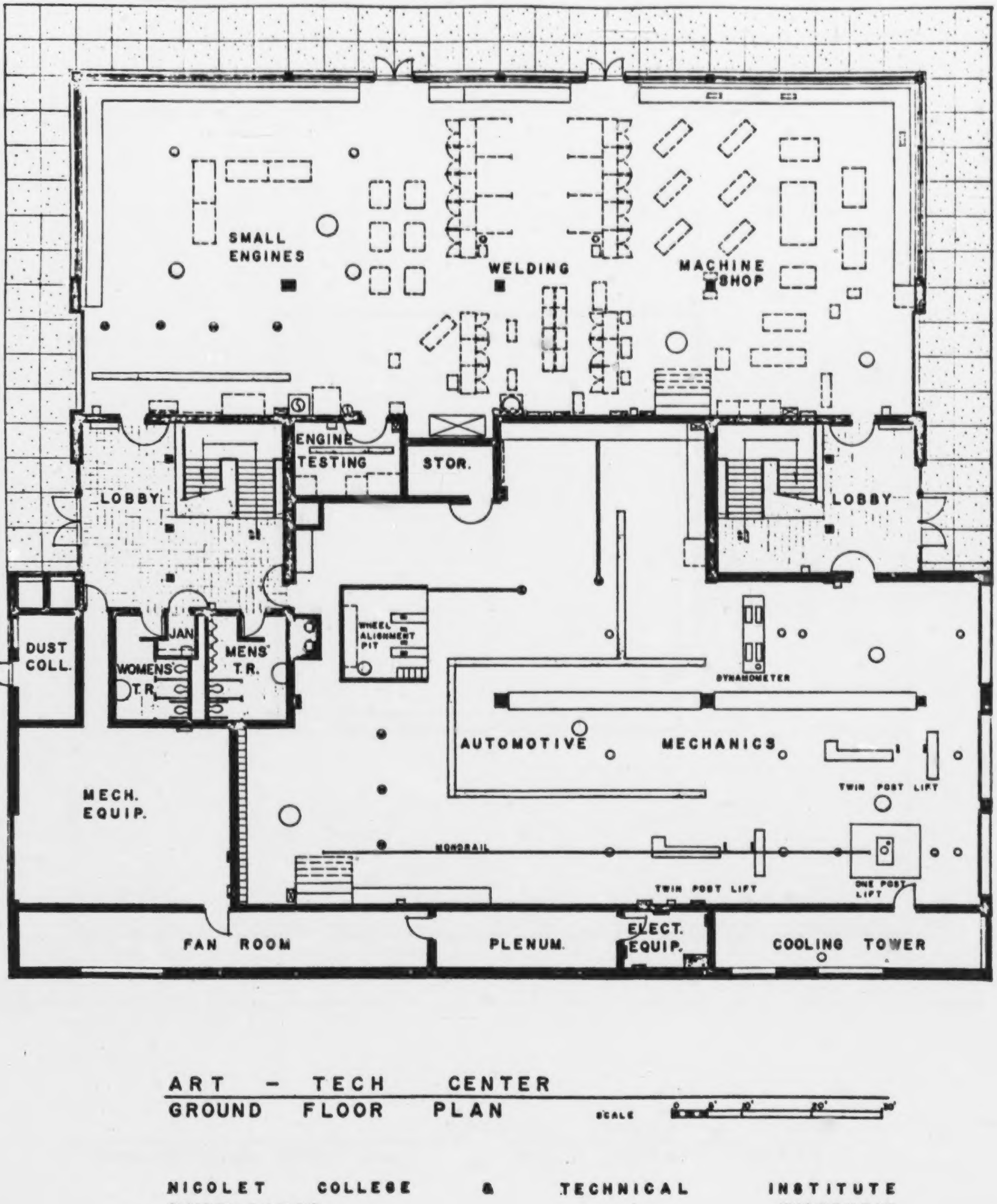
NICOLET COLLEGE & TECHNICAL INSTITUTE
RHINELANDER WISCONSIN


OPEN EDUCATIONAL SPACE
ELEV

LEARNING RESOURCE CENTER
MEZZANINE FLOOR PLAN

SCALE

NICOLET COLLEGE & TECHNICAL INSTITUTE
RHINELANDER WISCONSIN

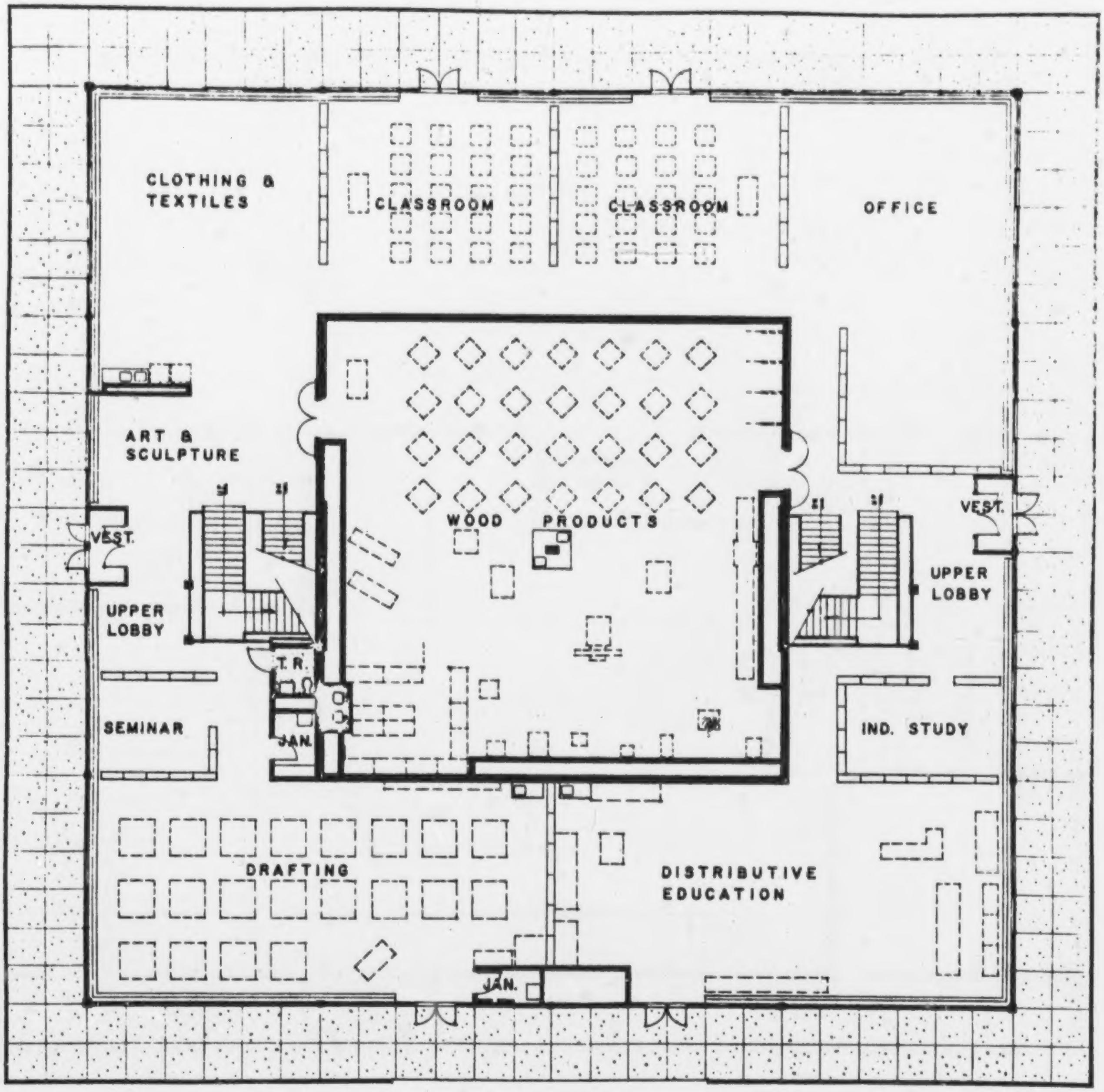

SMALL ENGINES
WELDING
MACHINE SHOP
ENGINE TESTING
STOR.
LOBBY
LOBBY
WHEEL ALIGNMENT PIT
DUST COLL.
JAN
WOMENS' T.R.
MENS' T.R.
DYNAMOMETER
AUTOMOTIVE
MECHANICS
TWIN POST LIFT
MECH. EQUIP.
MONORAIL
TWIN POST LIFT
ONE POST LIFT
FAN ROOM
PLENUM
ELECT. EQUIP.
COOLING TOWER

ART - TECH CENTER

GROUND FLOOR PLAN

SCALE 0 5' 10' 20' 30'

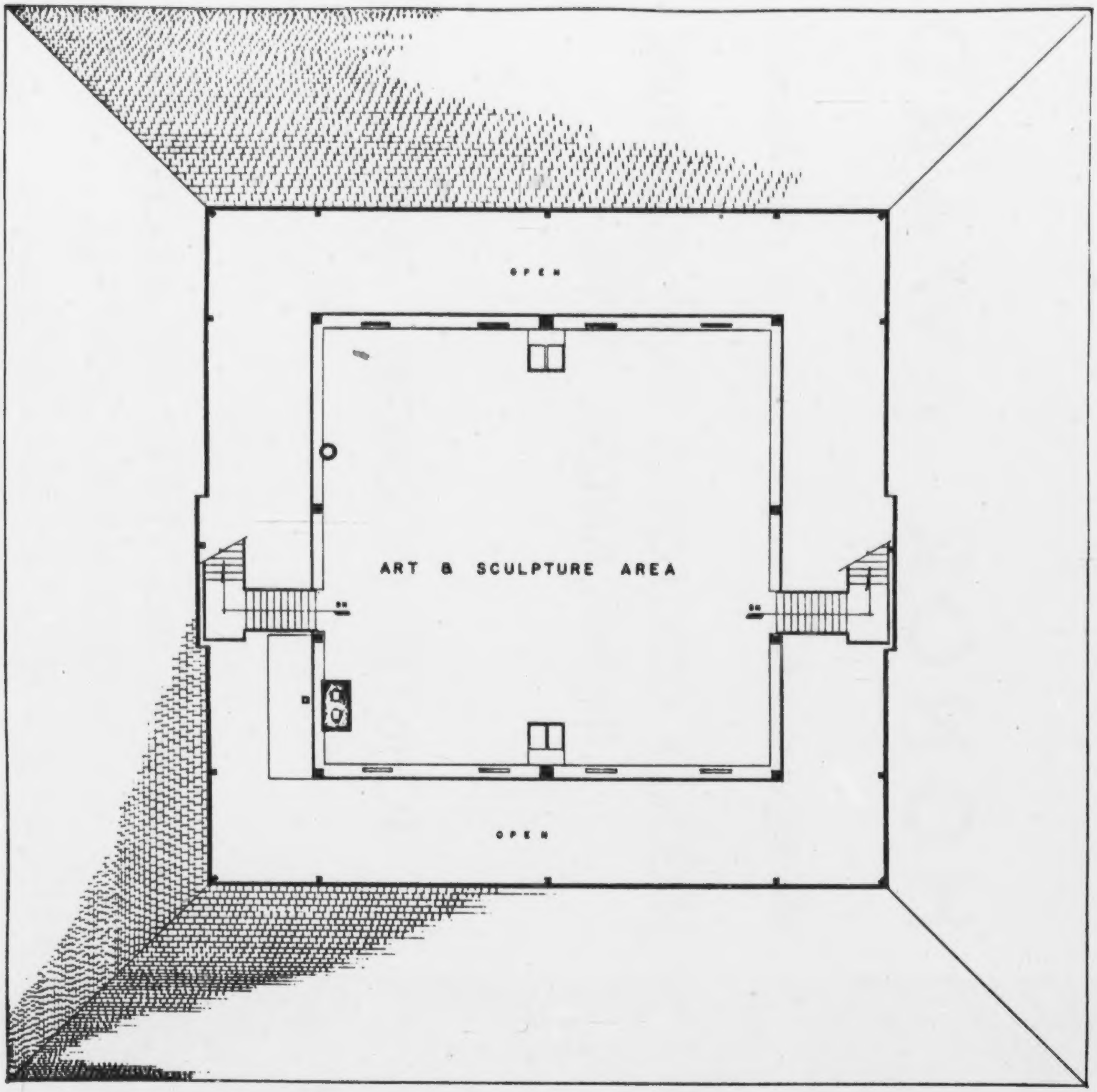
NICOLET COLLEGE & TECHNICAL INSTITUTE
RHINELANDER WISCONSIN


CLOTHING & TEXTILES
CLASSROOM
CLASSROOM
OFFICE
ART & SCULPTURE
VEST.
WOOD PRODUCTS
VEST.
UPPER LOBBY
UPPER LOBBY
T.R.
SEMINAR
JAN.
IND. STUDY
DRAFTING
DISTRIBUTIVE EDUCATION
JAN.

ART - TECH CENTER

FIRST FLOOR PLAN SCALE 0 5' 10' 20' 30'

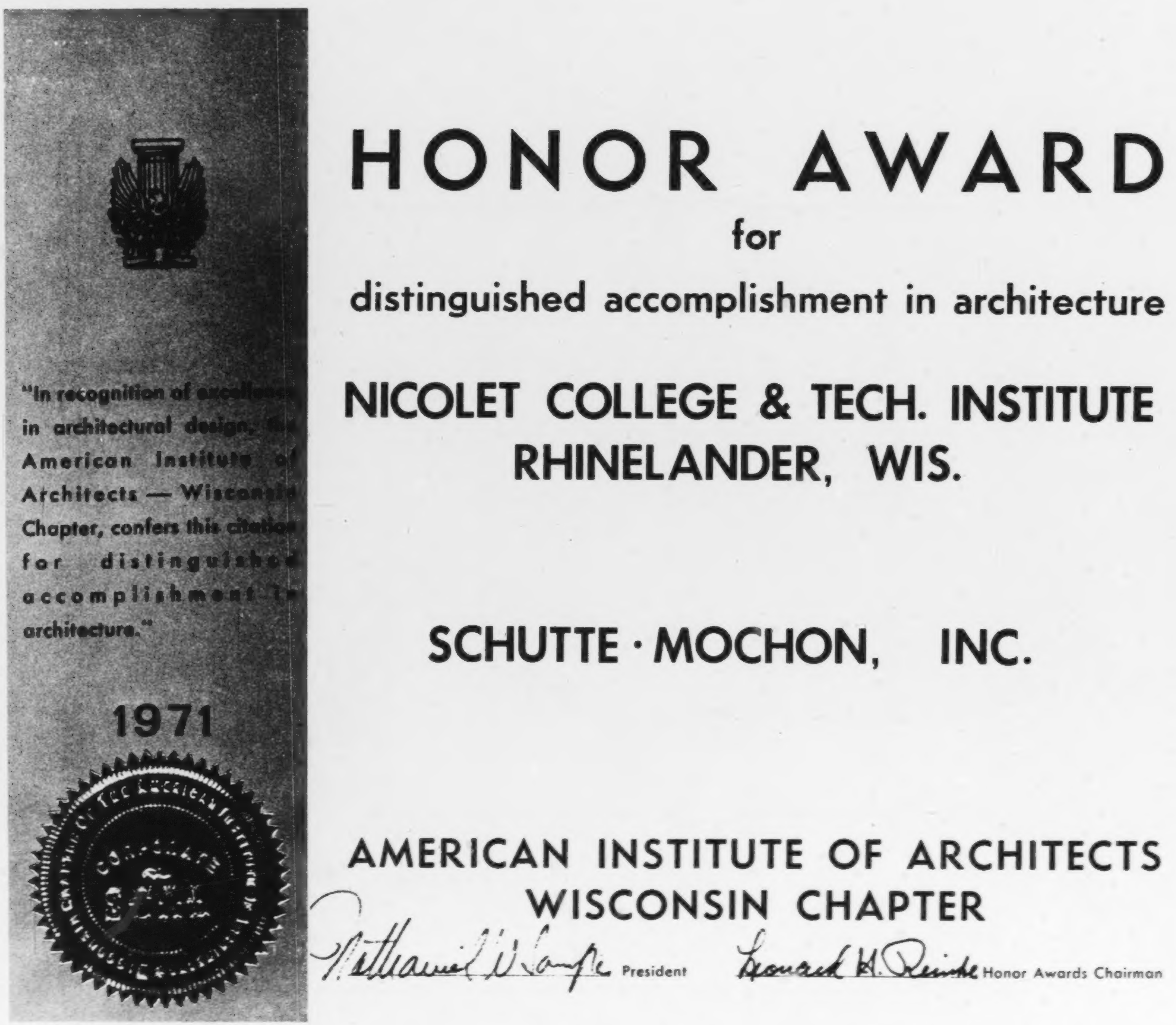
NICOLET COLLEGE & TECHNICAL INSTITUTE
RHINELANDER WISCONSIN


OPEN
ART & SCULPTURE AREA
DN
DN
OPEN

ART - TECH CENTER

MEZZANINE FLOOR PLAN SCALE

NICOLET COLLEGE & TECHNICAL INSTITUTE
RHINELANDER WISCONSIN



HONOR AWARD

for

distinguished accomplishment in architecture

NICOLET COLLEGE & TECH. INSTITUTE
RHINELANDER, WIS.

SCHUTTE · MOCHON, INC.

"In recognition of excellence in architectural design, the American Institute of Architects — Wisconsin Chapter, confers this citation for distinguished accomplishment in architecture."

1971

AMERICAN INSTITUTE OF ARCHITECTS
WISCONSIN CHAPTER

Nathaniel W. Sample President

Leonard H. Reinke Honor Awards Chairman

CONSTRUCTION PROJECT ANALYSIS

NAME OF SCHOOL ASHLAND VOCATIONAL SCHOOL DISTRICT # 17-18

LOCATION 2100 BEASER AVENUE, ASHLAND, WISCONSIN

AREA DIRECTOR JAMES COVEY

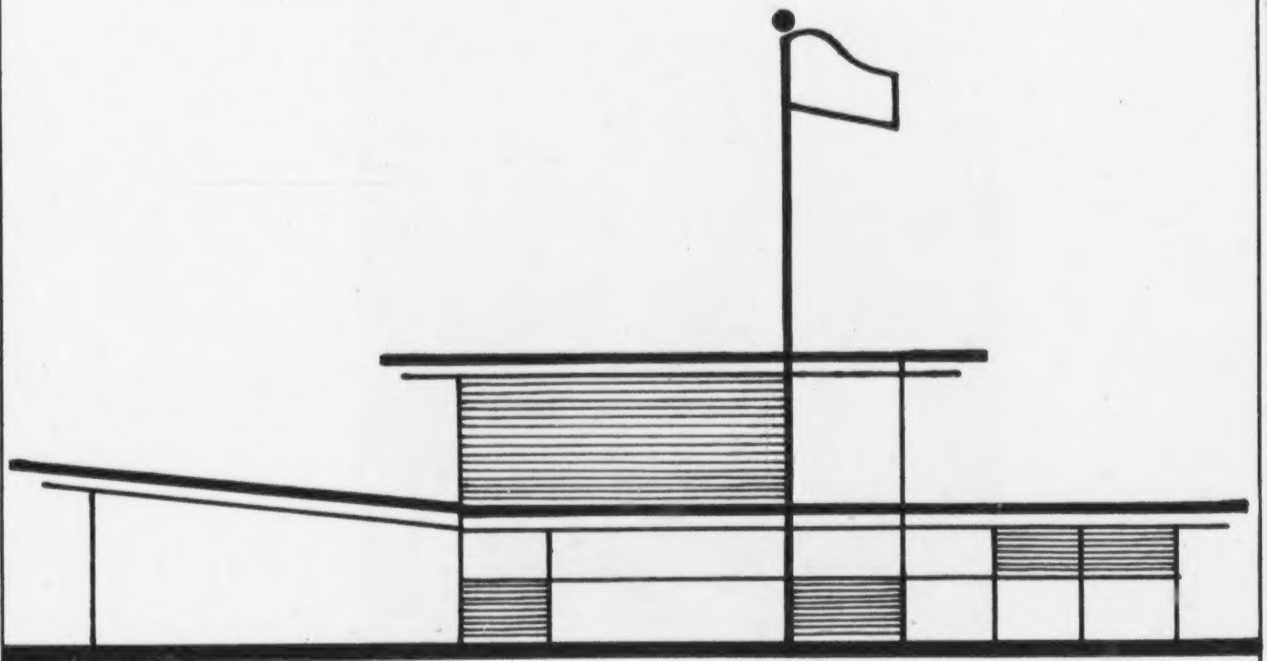
PROJECT NO. ______ DATE SEPTEMBER, 1970

ARCHITECT JOHN J. FLAD & ASSOCIATES

Student Cap. 215

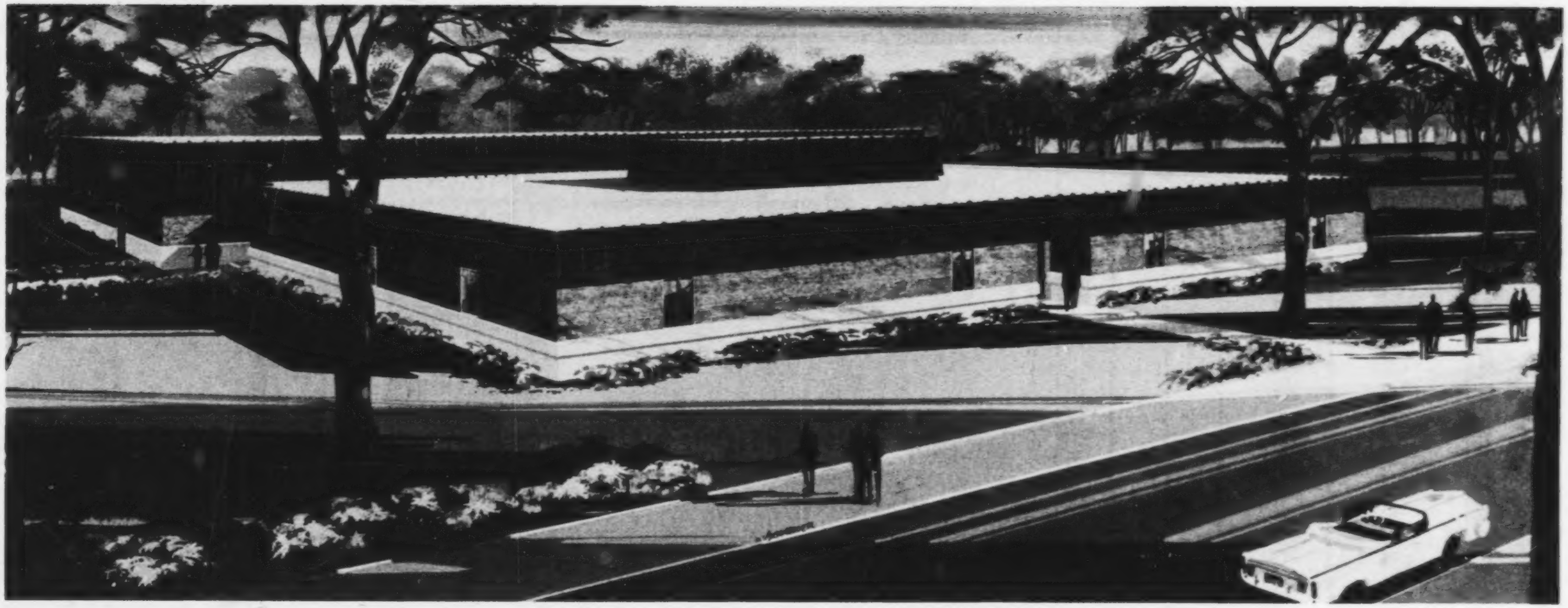
Size Sq.ft. 25,400

Cost $523,000.00



Wisconsin Board of Vocational, Technical and Adult Education

Madison, Wisconsin Eugene Lehrmann, Director



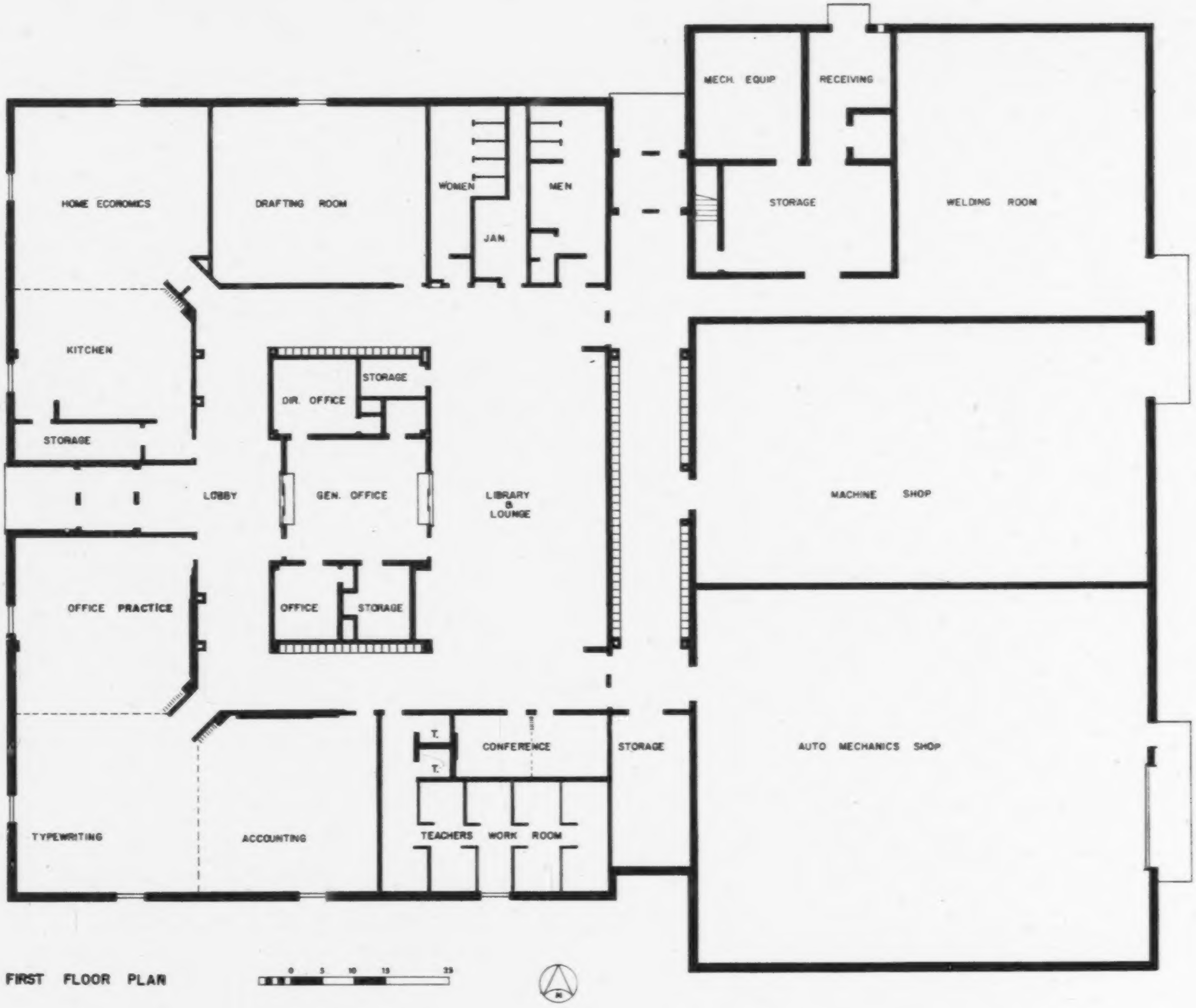
ASHLAND VOCATIONAL, TECHNICAL AND ADULT EDUCATIONAL SCHOOL

ASHLAND, WISCONSIN

JOHN J. FLAD & ASSOCIATES

ARCHITECTS & ENGINEERS

MADISON, WISCONSIN


HOME ECONOMICS
DRAFTING ROOM
WOMEN
JAN
MEN
MECH. EQUIP
RECEIVING
STORAGE
WELDING ROOM
KITCHEN
STORAGE
DIR. OFFICE
STORAGE
LOBBY
GEN. OFFICE
LIBRARY & LOUNGE
MACHINE SHOP
OFFICE PRACTICE
OFFICE
STORAGE
T.
T.
CONFERENCE
STORAGE
AUTO MECHANICS SHOP
TYPEWRITING
ACCOUNTING
TEACHERS WORK ROOM
0
5
10
15
25
N

FIRST FLOOR PLAN

ASHLAND VOCATIONAL SCHOOL
ASHLAND WISCONSIN

JOHN J. FLAD & ASSOCIATES
ARCHITECTS - ENGINEERS - PLANNERS
MADISON WISCONSIN

200-13.62-3L30032